

A6 Midi Sysex Specification

5/23/02

Alesis

SYSTEM EXCLUSIVE FORMAT

The A6 MIDI System Exclusive message format is as follows:

| | |
|----------|-------------------------|
| F0 | System exclusive status |
| 00 00 0E | Alesis manufacturer id# |
| 1D | A6 family id# |
| cc | Opcode |
| dd | Data |
| : | : |
| : | : |
| F7 | End-Of-Exclusive |

OPCODES:

00 - MIDI Program Dump F0 00 00 0E 1D 00 <bank#> <program##> <data> F7

<bank#> = 0..15 selects any bank in the A6, where:

0 = USER

1 = PRESET1

2 = PRESET2

3-15 = CARD BANKS (MAX number depends on size of card)

<program##>= 0..127 selects individual programs from within bank

<data> is in a packed format in order to optimize data transfer. Eight MIDI bytes are used to transmit each block of 7 A6 data bytes. If the 7 data bytes are looked at as one 56-bit word, the format for transmission is eight 7-bit words beginning with the most significant bit of the first byte, as follows:

SEVEN A6 BYTES:

| | | | | | | | | |
|----|----|----|----|----|----|----|----|----|
| 0: | A7 | A6 | A5 | A4 | A3 | A2 | A1 | A0 |
| 1: | B7 | B6 | B5 | B4 | B3 | B2 | B1 | B0 |
| 2: | C7 | C6 | C5 | C4 | C3 | C2 | C1 | C0 |
| 3: | D7 | D6 | D5 | D4 | D3 | D2 | D1 | D0 |
| 4: | E7 | E6 | E5 | E4 | E3 | E2 | E1 | E0 |
| 5: | F7 | F6 | F5 | F4 | F3 | F2 | F1 | F0 |
| 6: | G7 | G6 | G5 | G4 | G3 | G2 | G1 | G0 |

TRANSMITTED AS:

0: 0 A6 A5 A4 A3 A2 A1 A0
1: 0 B5 B4 B3 B2 B1 B0 A7
2: 0 C4 C3 C2 C1 C0 B7 B6
3: 0 D3 D2 D1 D0 C7 C6 C5
4: 0 E2 E1 E0 D7 D6 D5 D4
5: 0 F1 F0 E7 E6 E5 E4 E3
6: 0 G0 F7 F6 F5 F4 F3 F2
7: 0 G7 G6 G5 G4 G3 G2 G1

There are 2341 data bytes sent for a single program dump, which corresponds to 2048 bytes of program data. With the header, the total number of bytes transmitted with a program dump is 2350.

For librarian purposes, it is often useful to rename a patch ‘offline.’ The bytes involved, in a 2048-byte unpacked patch, useful for this purpose are as follows:

Byte 0-1: Patch Version Number: Currently A6h 0Ah
Byte 2-17: 16 Character Name stored in ASCII format

01 - MIDI Program Dump Request F0 00 00 0E 1D 01 <bank#> <program#> F7

<bank#> = 0..15 selects any bank in the A6, where:

0 = USER
1 = PRESET1
2 = PRESET2

3-15 = CARD BANKS (MAX number depends on size of card)

<program#> = 0..127 selects individual user programs

When received, the A6 will respond to this message with a MIDI program dump (00) of the program number selected.

02 - MIDI Program Edit Buffer Dump F0 00 00 0E 1D 02 <editbuf#> <data> F7

<editbuf#> = 0-15; Mix program edit buffers for mix channels 1-16

<editbuf#> = 16; Program edit buffer

<data> is in the same format as described in 00. With this header, the total dump will be 2349 bytes.

03 - MIDI Program Edit Buffer Dump Request F0 00 00 0E 1D 03 <edit#> F7

<editbuf#> = 0-15; Mix program edit buffers for mix channels 1-16
<editbuf#> = 16; Program edit buffer

When received, the A6 will respond to this message with a MIDI edit program dump (02) of the edit program selected.

04 - MIDI Mix Dump F0 00 00 0E 1D 04 <bank#> <mix#> <data> F7

<bank#> = 0..15 selects any bank in the A6, where:
0 = USER
1 = PRESET1
2-15 = CARD BANKS (MAX number depends on size of card)
<mix#> = 0..127 selects individual mixes in bank

<data> is in the same format as described in 00, but with a different number of bytes due to the difference in the mix parameters. The total number of data bytes sent for a single mix dump is 1171, which corresponds to 1024 bytes of mix data. With the header, the total number of bytes transmitted with a program dump is 1180.

For librarian purposes, it is often useful to rename a patch ‘offline.’ The bytes involved, in a 1024-byte unpacked patch, useful for this purpose are as follows:

Byte 0-1: Patch Version Number: Currently B6h 0Ah
Byte 2-17: 16 Character Name stored in ASCII format

05 - MIDI Mix Dump Request F0 00 00 0E 1D 05 <bank#> <mix#> F7

<bank#> = 0..15 selects any bank in the A6, where:
0 = USER
1 = PRESET1
2-15 = CARD BANKS (MAX number depends on size of card)
<mix#> = 0..127 selects individual mixes in bank

When received, the A6 will respond to this message with a MIDI Mix dump (04) of the mix selected.

06 - MIDI Mix Edit Buffer Dump F0 00 00 0E 1D 06 00 <data> F7

<data> is in the same format as described in 04. With this header, the total dump will be 1179 bytes. In the current OS, there is only one mix edit buffer, hence the command is shown with 00 as the edit buffer.

07 - MIDI Mix Edit Buffer Dump Request F0 00 00 0E 1D 07 00 F7

When received, the A6 will respond to this message with a MIDI mix edit buffer dump (06) of the edited mix. In the current OS, there is only one mix edit buffer, hence the command is shown with 00 as the edit buffer.

08 - MIDI Global Data Dump F0 00 00 0E 1D 08 <data> F7

<data> is in the same format as described in 00, but with a different number of bytes due to the difference in the global parameter size. The total number of data bytes sent for a global data dump is 15904, which corresponds to 18176 bytes of global data. With the header, the total number of bytes transmitted with a program dump is 18183.

09 - MIDI Global Data Dump Request F0 00 00 0E 1D 09 00 F7

When received, the A6 will respond to this message with a MIDI global data dump (08).

0A - MIDI Program Bank Request F0 00 00 0E 1D 0A <bank#> F7

<bank#> = 0..15 selects any bank in the A6, where:

0 = USER

1 = PRESET1

2 = PRESET2

3-15 = CARD BANKS (MAX number depends on size of card)

When received, the A6 will respond to this message with 128 MIDI Program Dumps (00), sent sequentially from the requested bank.

0B - MIDI Mix Bank Request F0 00 00 0E 1D 0B <bank#> F7

<bank#> = 0..15 selects any bank in the A6, where:

0 = USER

1 = PRESET1

2-15 = CARD BANKS (MAX number depends on size of card)

When received, the A6 will respond to this message with 128 MIDI Mix Dumps (04), sent sequentially from the requested bank.

0C - MIDI Dump All Request F0 00 00 0E 1D 0C 00 F7

This command will dump out all MIDI data stored in the non-volatile RAM within the A6. When received, the A6 will respond to this message with a 128 MIDI Program dumps (00) from the User bank, 128 MIDI Mix dumps (04) from the User bank, and a Global data dump (08), for a total of 470023 MIDI bytes.

0D - MIDI Mode Select F0 00 00 0E 1D 0D <mode> F7

<mode> = 0 = Program mode; 1 = Mix mode

When received, the A6 will change to the mode that was selected. The settings will be retained from the last time that mode was exited.

0E - MIDI Editing

F0 00 00 0E 1D 0E <parent page><child ID><data2><data1><data0>F7

<parent page> = The parent page of the parameter to be edited

<child ID> = child ID of parameter to be edited

<data2> = Mix channel number and most significant bits (bits 14-16) of parameter's data

<data1> = Bits 7-13 of parameter's data

<data0> = Least significant bits (bits 0-6) of parameter's data

All parameters to be edited must be sent in this format (12 MIDI bytes), regardless of the number of bits required to transmit the value of the parameter. When the A6 receives this message, it will change the specified parameter in the specified mix channel to the new data value. The mix channel number is specified in <data2> with the format 0xxx yyyy, where xxxx is the mix channel number (0-15) and yyyy are the uppermost bits (bits 14-16) of the parameter data. In program mode, the mix channel number is ignored and the edit will be applied to the program edit buffer and A6's screen will show the result of the edit. In mix mode, the result of the edit will be shown only if the edit occurred in the currently selected mix channel on the A6. If the edit happened to a mix channel not currently selected on the A6, the edit will still occur, but it won't be displayed.

The parameter data is a 17-bit number 2's complement signed number.

If the parent page and child ID selected does not exist in the current configuration, the command will be ignored. The function and page numbers for each parameter are shown in the next section.

Example:

Turn on Osc 2 Mod 3:

F0 00 00 0E 1D 0E 10 1C 00 00 01 F7

Set Filter 2 Offset to -0.02:

F0 00 00 0E 1D 0E 13 08 07 7F 70 F7

A chart of all parameters is at the end of this document.

DEVICE INQUIRY

The A6 responds to the Universal Device Inquiry message < F0 7E 7F 06 01 F7 >

Upon receiving this message the A6 will respond with the following:

| | |
|----------------|------------------------------------------------------------|
| F0 7E 7F 06 02 | Universal Device Reply |
| 00 00 0E | Alesis Manufacturer ID |
| 1D 00 | A6 Family ID, LSB first |
| 00 00 | A6 Family Member, LSB first |
| ww xx yy zz | Software revision, ASCII (ex. 30 31 30 30 = '0100' = 1.00) |
| F7 | End-Of-Exclusive |

PROGRAM DATA FORMAT

The following specific parameter information shows the locations in which each Program parameter resides after unpacking the data from its 7 bit MIDI format into the 8 bit format as described in Opcode 00, Program Data Dump.

A6 Program Description

09/13/2001

| Byte Offset | Description | Range |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 0-1 | Key describing program structure. MSB is always 0xA6, LSB is version number of program. 10 = Version 1.0 MSB=0xA6, LSB=0x0A | |
| 2-17 | Program Name | ASCII |
| 18-105 | Actual ASIC Control Values for Initial Condition | Do not Modify |
| 106-107 | Reserved | Do not Modify |
| 108-111 | Actual ASIC Switch Values for Initial Condition | Do not Modify |
| 112-115 | Actual ASIC Switch Values for Initial Condition | Do not Modify |
| Mod Route 1: | | ushort |
| 116-117 | Mod 1 Percentage | -32768 to +32767 |
| 118-119 | Mod 1 Offset Amount | short |
| 120-121 | Mod 1 Control Percentage | -32768 to +32767 |
| 122 | Mod 1 Source | 0-255 |
| 123 | Mod 1 Destination | 0-255 |
| 124 | Mod 1 Control Source | 0-255 |
| 125:0 | Mod 1 Enable/Disable | 0-1 |
| 125:1 | Mod 1 Polarity | 0-1 |
| 125:2-7 | Reserved | n/a |
| 126-131 | Reserved | byte |
| 132-147 | Mod Route 2: | See Mod Route 1 |
| 148-163 | Mod Route 3: | See Mod Route 1 |
| 164-179 | Mod Route 4: | See Mod Route 1 |
| 180-195 | Mod Route 5: | See Mod Route 1 |
| 196-211 | Mod Route 6: | See Mod Route 1 |
| 212-227 | Mod Route 7: | See Mod Route 1 |
| 228-243 | Mod Route 8: | See Mod Route 1 |
| 244-259 | Mod Route 9: | See Mod Route 1 |
| 260-275 | Mod Route 10: | See Mod Route 1 |
| 276-291 | Mod Route 11: | See Mod Route 1 |
| 292-307 | Mod Route 12: | See Mod Route 1 |
| 308-323 | Mod Route 13: | See Mod Route 1 |
| 324-339 | Mod Route 14: | See Mod Route 1 |
| 340-355 | Mod Route 15: | See Mod Route 1 |
| 356-371 | Mod Route 16: | See Mod Route 1 |
| 372-387 | Mod Route 17: | See Mod Route 1 |
| 388-403 | Mod Route 18: | See Mod Route 1 |
| 404-419 | Mod Route 19: | See Mod Route 1 |
| 420-435 | Mod Route 20: | See Mod Route 1 |
| 436-451 | Mod Route 21: | See Mod Route 1 |
| 452-467 | Mod Route 22: | See Mod Route 1 |
| 468-483 | Mod Route 23: | See Mod Route 1 |
| 484-499 | Mod Route 24: | See Mod Route 1 |
| 500-515 | Mod Route 25: | See Mod Route 1 |
| 516-531 | Mod Route 26: | See Mod Route 1 |
| 532-547 | Mod Route 27: | See Mod Route 1 |
| 548-563 | Mod Route 28: | See Mod Route 1 |

| | | | |
|---------------|----------------------------------------------------|------------------|--------|
| 564-579 | Mod Route 29: | See Mod Route 1 | |
| 580-595 | Mod Route 30: | See Mod Route 1 | |
| 596-611 | Mod Route 31: | See Mod Route 1 | |
| 612-627 | Mod Route 32: | See Mod Route 1 | |
| 628-643 | Mod Route 33: | See Mod Route 1 | |
| 644-659 | Mod Route 34: | See Mod Route 1 | |
| 660-675 | Mod Route 35: | See Mod Route 1 | |
| 676-691 | Mod Route 36: | See Mod Route 1 | |
| 692-697 | Reserved | n/a | |
| 948-949 | Filter 1 Level | -32768 to +32767 | short |
| 950-951 | Panning for Main Outs | -32768 to +32767 | ushort |
| 952-953 | Panning for Aux 1 and 2 Outs | -32768 to +32767 | |
| 954-955 | Reserved | n/a | |
| 956-957 | Panning for Digital FX Send | -32768 to +32767 | |
| 958-959 | Oscillator 1 Semitone | -32768 to +32767 | short |
| 960-961 | Oscillator 1 Cents | -32768 to +32767 | short |
| 962-963 | Oscillator 1 Fine | -32768 to +32767 | short |
| 964-965 | Oscillator 2 Semitone | -32768 to +32767 | short |
| 966-967 | Oscillator 2 Cents | -32768 to +32767 | short |
| 968-969 | Oscillator 2 Fine | -32768 to +32767 | short |
| 970-971 | Reserved | n/a | char |
| Tracking Gen: | | | |
| 972-1031 | Tracking Generator Slope Values (15 4-byte values) | 0-15 | uint |
| 1032-1035 | Reserved | n/a | |
| 1036-1067 | Tracking Generator Y Values (16 2-byte values) | -32768 to +32767 | short |
| 1068-1099 | Tracking Generator X Values (16 2-byte values) | -32768 to +32767 | short |
| 1100-1101 | Tracking Generator Percentage | -32768 to +32767 | short |
| 1102-1103 | Tracking Generator Offset | -32768 to +32767 | short |
| 1104 | Tracking Generator Source | 0-255 | byte |
| 1105:0 | Tracking Generator Ramp/Step | 0-255 | byte |
| 1105:1 | Tracking Generator Enable | 0-255 | byte |
| 1105:2-7 | Reserved | n/a | |
| 1106 | Tracking Generator Size | n/a | |
| 1107-1115 | Reserved | n/a | byte |
| LFO 1: | | | |
| 1116-1119 | LFO 1 Multiplier 1 | Do not Modify | uint |
| 1120-1123 | LFO 1 Multiplier 2 | Do not Modify | uint |
| 1124-1127 | LFO 1 Sine Multiplier | Do not Modify | uint |
| 1128-1129 | LFO 1 Start Phase | | ushort |
| 1130-1131 | LFO 1 Amplitude | | ushort |
| 1132-1133 | LFO 1 Period | | ushort |
| 1134-1135 | LFO 1 Delay | | ushort |
| 1136-1137 | LFO 1 Offset | -32768 to +32767 | short |
| 1138-1139 | LFO 1 Trigger Level | -32768 to +32767 | short |
| 1140-1141 | LFO 1 Modulation Percentage | -32768 to +32767 | short |
| 1142-1143 | LFO 1 Modulation Offset | -32768 to +32767 | short |
| 1144-1145 | LFO 1 Ticks per Period | | ushort |
| 1146-1147 | LFO 1 Duty Cycle | | ushort |
| 1148:0-2 | LFO 1 Mode | | byte |
| 1148:3-4 | LFO 1 Polarity | | |
| 1148:5 | LFO 1 Freerun | | |
| 1148:6 | LFO 1 Modulation Enable | | |
| 1148:7 | LFO 1 Trigger Enable | | |
| 1149:0 | LFO 1 Voice Launch Trigger Enable | | byte |
| 1149:1-2 | LFO 1 Sync Source | | |
| 1149:3-7 | Reserved | n/a | |
| 1150 | LFO 1 Trigger Source | 0-255 | byte |
| 1151 | LFO 1 Trigger Polarity | 0-255 | byte |
| 1152 | LFO 1 Modulation Source | 0-255 | byte |

| | | | |
|-----------|----------------------------------------|-----------------------------|--------|
| 1153 | LFO 1 Modulation Destination Index | 0-255 | byte |
| 1154-1167 | Reserved | n/a | byte |
| 1168-1219 | LFO 2 | See LFO1 for byte breakdown | |
| 1220-1271 | LFO 3 | See LFO1 for byte breakdown | |
| 1272-1273 | Envelope 1 Delay | ushort | |
| 1274-1275 | Envelope 1 Attack Time | ushort | |
| 1276-1277 | Envelope 1 Decay1 Time | ushort | |
| 1278-1279 | Envelope 1 Decay2 Time | ushort | |
| 1280-1281 | Envelope 1 Decay2 Level | ushort | |
| 1282-1283 | Envelope 1 Sustain Level | ushort | |
| 1284-1285 | Envelope 1 Release1 Time | ushort | |
| 1286-1287 | Envelope 1 Release2 Level | ushort | |
| 1288-1289 | Envelope 1 Release2 Time | ushort | |
| 1290-1291 | Envelope 1 Smooth Time | ushort | |
| 1292-1293 | Envelope 1 Amplitude | ushort | |
| 1294-1299 | Envelope 1 Modulation Percentage | -32768 to +32767 | short |
| 1300-1305 | Envelope 1 Modulation Offset | -32768 to +32767 | short |
| 1306-1307 | Envelope 1 Offset | -32768 to +32767 | short |
| 1308-1309 | Envelope 1 Trigger Level | -32768 to +32767 | short |
| 1310-1311 | Envelope 1 Retrigger Level | -32768 to +32767 | short |
| 1312-1313 | Envelope 1 Key Tracking Amount | -32768 to +32767 | short |
| 1314-1315 | Envelope 1 Level Tracking Amount | -32768 to +32767 | short |
| 1316-1317 | Envelope 1 Smooth Start | ushort | |
| 1318-1319 | Envelope 1 Smooth Rise | ushort | |
| 1320-1321 | Envelope 1 Velocity Modulation | -32768 to +32767 | short |
| 1322-1323 | Envelope 1 Release Velocity Modulation | -32768 to +32767 | short |
| 1324:0 | Envelope 1 Mod 1 Enable | | |
| 1324:1 | Envelope 1 Mod 2 Enable | | |
| 1324:2 | Envelope 1 Mod 3 Enable | | ushort |
| 1324:3 | Envelope 1 Polarity | | |
| 1324:4-5 | Envelope 1 Loop Type | | |
| 1324:6 | Envelope 1 Sustain Enable | | |
| 1324:7 | Envelope 1 Trigger Enable | | |
| 1325:0-2 | Envelope 1 Trigger Polarity | | |
| 1325:3 | Envelope 1 Retrigger Enable | | |
| 1325:4-6 | Envelope 1 Retrigger Polarity | | |
| 1325:7 | Envelope 1 Smooth Polarity | | |
| 1326 | Envelope 1 Loop Count | 0-254,255=infinite | byte |
| 1327 | Envelope 1 Attack Shape | 0-9 | byte |
| 1328 | Envelope 1 Decay1 Shape | 0-9 | byte |
| 1329 | Envelope 1 Decay2 Shape | 0-9 | byte |
| 1330 | Envelope 1 Release1 Shape | 0-9 | byte |
| 1331 | Envelope 1 Release2 Shape | 0-9 | byte |
| 1332 | Envelope 1 Smooth Shape | 0-9 | byte |
| 1333:0-3 | Envelope 1 Mode | 0-15 | byte |
| 1333:4-5 | Envelope 1 Reset Mode | 0-3 | |
| 1333:6-7 | Reserved | n/a | |
| 1334 | Envelope 1 Trigger Source | | byte |
| 1335 | Envelope 1 Retrigger Source | | byte |
| 1336 | Envelope 1 Retrigger Stage | | byte |
| 1337:0-3 | Envelope 1 Loop End Stage | | byte |
| 1337:4-7 | Envelope 1 Loop Start Stage | | |
| 1338 | Envelope 1 Mod 1 Source Index | | |
| 1339 | Envelope 1 Mod 2 Source Index | | byte |
| 1340 | Envelope 1 Mod 3 Source Index | | |
| 1341 | Envelope 1 Mod 1 Destination Index | | |
| 1342 | Envelope 1 Mod 2 Destination Index | | byte |
| 1343 | Envelope 1 Mod 3 Destination Index | | |
| 1344 | Envelope 1 Key Tracking Base Key | | byte |
| 1345-1359 | Reserved | n/a | byte |

| | | | |
|-------------------------|------------------------------------------------|------------------|-----------------------------------|
| Envelope 2: | | | |
| 1360-1447 | Envelope 2 | | See Envelope 1 for byte breakdown |
| Envelope 3: | | | |
| 1448-1535 | Envelope 3 | | See Envelope 1 for byte breakdown |
| Sample and Hold: | | | |
| 1536-1537 | Sample and Hold Clock frequency | | ushort |
| 1538-1539 | Sample and Hold Modulation Offset | -32768 to +32767 | short |
| 1540-1541 | Sample and Hold Modulation Percent | -32768 to +32767 | short |
| 1542-1543 | Sample and Hold Input Offset | -32768 to +32767 | short |
| 1544-1545 | Sample and Hold Input Percent | | ushort |
| 1546-1547 | Sample and Hold Trigger Level | -32768 to +32767 | short |
| 1548-1549 | Sample and Hold Ticks Per Step | | ushort |
| 1550 | Sample and Hold Trigger Source | | byte |
| 1551 | Sample and Hold Modulation Source | | byte |
| 1552 | Sample and Hold Input Source | | byte |
| 1553 | Sample and Hold Trigger Polarity | | byte |
| 1554:0 | Sample and Hold Enable | | byte |
| 1554:1 | Sample and Hold Modulation Enable | | |
| 1554:2 | Sample and Hold Trigger Enable | | |
| 1554:3-7 | Reserved | n/a | |
| 1555:0 | Sample and Hold Trigger on Voice Launch Enable | | byte |
| 1555:1-2 | Sample and Hold Sync Source | | |
| 1555:3 | Sample and Hold Sample on Trigger Enable | | |
| 1555:4-7 | Reserved | n/a | |
| 1556-1567 | Reserved | n/a | byte |
| CLOCK: | | | |
| 1568-1569 | Master Clock Period | | ushort |
| 1570-1571 | Master Clock Modulation Percent | -32768 to +32767 | short |
| 1572-1573 | Master Clock Modulation Offset | -32768 to +32767 | short |
| 1574 | Master Clock Modulation Source | | byte |
| 1575 | Master Clock MIDI Sync Channel | | byte |
| 1576 | Master Clock Ticks per Beat | | byte |
| 1577:0 | Master Clock Modulation Enable | | byte |
| 1577:1-2 | Master Clock Modulation Voice | | |
| 1577:3-4 | Master Clock Source | | |
| 1577:5 | Master Clock Reset on Key Down Enable | | |
| 1577:6-7 | Reserved | n/a | |
| 1578-1587 | Reserved | n/a | byte |
| Sequencer: | | | |
| 1588-1589 | Sequencer Period | | ushort |
| 1590-1591 | Sequencer Tempo Modulation Offset | -32768 to +32767 | short |
| 1592-1593 | Sequencer Trigger Level | -32768 to +32767 | short |
| 1594-1595 | Sequencer Tempo Modulation Percent | -32768 to +32767 | short |
| 1596-1597 | Sequencer Ticks per Step | -32768 to +32767 | short |
| 1598-1629 | Sequencer Row A Values (16 16-bit signed) | -32768 to +32767 | short |
| 1630-1661 | Sequencer Row B Values (16 16-bit signed) | -32768 to +32767 | short |
| 1662-1693 | Sequencer Row C Values (16 16-bit signed) | -32768 to +32767 | short |
| 1694-1695 | Sequencer Hi Bits for Row A | -32768 to +32767 | short |
| 1696-1697 | Sequencer Hi Bits for Row B | -32768 to +32767 | short |
| 1698-1699 | Sequencer Hi Bits for Row C | -32768 to +32767 | short |
| 1700-1707 | Sequencer Note Type (16 4-bit Values) | | byte |
| 1708 | Sequencer Progressor Value | | char |
| 1709 | Sequencer Progressor Max Value | | char |
| 1710 | Sequencer Progressor Min Value | | char |
| 1711 | Sequencer Length | | byte |
| 1712 | Sequencer Loop Type | | char |
| 1713 | Sequencer Loop Count | | byte |

| | | |
|--------------|----------------------------------------------|--------|
| 1714 | Sequencer Trigger Source | byte |
| 1715 | Sequencer Tempo Modulation Source | byte |
| 1716 | Sequencer Trigger Polarity | byte |
| 1717 | Sequencer Trigger Voice | byte |
| 1718 | Sequencer Trigger Mode | byte |
| 1719 | Sequencer Tempo Modulation Voice | byte |
| 1720:0-1 | Sequencer Sync Source | byte |
| 1720:2 | Sequencer Mono-Legato Enable | |
| 1720:3 | Sequencer Sequencer Run Enable | |
| 1720:4 | Sequencer Key Event Enable | |
| 1720:5 | Sequencer Trigger Enable | |
| 1720:6 | Sequencer Retrigger Enable | |
| 1720:7 | Sequencer Modulation Enable | |
| 1721-1735 | Reserved | n/a |
| | | byte |
| Arpeggiator: | | |
| 1736-1737 | Arpeggiator Period | ushort |
| 1738-1739 | Arpeggiator Tempo Modulation Offset | short |
| 1740-1741 | Arpeggiator Trigger Level | short |
| 1742-1743 | Arpeggiator Tempo Modulation Percent | short |
| 1744-1745 | Arpeggiator Ticks per Step | short |
| 1746-1747 | Arpeggiator Gate Time | ushort |
| 1748:0-1 | Arpeggiator Sync Source | ushort |
| 1748:2 | Reserved | n/a |
| 1748:3 | Arpeggiator Latch Enable | |
| 1748:4 | Arpeggiator Retrigger Enable | |
| 1748:5 | Arpeggiator Chord Mode Enable | |
| 1748:6 | Arpeggiator Run Enable | |
| 1748:7 | Reserved | n/a |
| 1749:0 | Arpeggiator Tempo Modulation Source Enable | |
| 1749:1 | Arpeggiator Trigger Enable | |
| 1749:2-7 | Reserved | n/a |
| 1750 | Arpeggiator Tempo Modulation Voice | byte |
| 1751 | Arpeggiator Progressor | char |
| 1752 | Arpeggiator Progressor Max Value | char |
| 1753 | Arpeggiator Progressor Min Value | char |
| 1754 | Arpeggiator Loop Type | char |
| 1755 | Arpeggiator Octave Range | char |
| 1756 | Arpeggiator Trigger Source | byte |
| 1757 | Arpeggiator Tempo Modulation Source | byte |
| 1758 | Arpeggiator Trigger Polarity | byte |
| 1759 | Arpeggiator Trigger Voice | byte |
| 1760 | Arpeggiator Trigger Mode | byte |
| 1761-1775 | Reserved | n/a |
| | | byte |
| Portamento: | | |
| 1776-1777 | Portamento Time | ushort |
| 1778-1779 | Portamento Modulation Percent | short |
| 1780-1781 | Portamento Modulation Offset | short |
| 1782 | Portamento Modulation Source | byte |
| 1783 | Portamento Type | byte |
| 1784 | Portamento Start Mode | byte |
| 1785 | Portamento Start Offset | char |
| 1786:0 | Portamento Enable | byte |
| 1786:1 | Portamento Modulation of Oscillator 1 Enable | |
| 1786:2 | Portamento Modulation of Oscillator 2 Enable | |
| 1786:3 | Portamento Modulation Enable | |
| 1786:4-5 | Portamento Mode | |
| 1786:6 | Reserved | n/a |
| 1786:7 | Portamento Speed Fixed/Octave Select | |

| | | | |
|---------------------------|----------------------------------------------------|------------------|---------------|
| 1787 | Portamento Filter Enable | | byte |
| 1788-1795 | Reserved | n/a | byte |
| Key Tracking: | | | |
| 1796-1797 | Key Tracking Filter1 Amount | -32768 to +32767 | short |
| 1798-1799 | Key Tracking Filter2 Amount | -32768 to +32767 | short |
| 1800 | Key Tracking Filter1 Offset | | char |
| 1801 | Key Tracking Filter2 Offset | | char |
| 1802-1807 | Reserved | n/a | byte |
| Pitch Wheel: | | | |
| 1808-1809 | Pitch Wheel Top Range (Cents) | | ushort |
| 1810-1811 | Pitch Wheel Bottom Range (Cents) | | ushort |
| 1812:0-3 | Pitch Wheel Bottom Table | | |
| 1812:4-7 | Pitch Wheel Top Table | | |
| 1813 | Pitch Wheel Oscillator Enable | | ushort |
| 1814-1819 | Reserved | n/a | byte |
| Ribbon Controller: | | | |
| 1820 | Ribbon Controller Mode | | byte |
| 1821-1831 | Reserved | n/a | byte |
| Mod Wheel: | | | |
| 1832-1833 | Mod Wheel Range | | ushort |
| 1834 | Mod Wheel Curve | | byte |
| 1835-1843 | Reserved | n/a | byte |
| Chord Mode: | | | |
| 1844-1859 | Chord Mode Notes | | byte |
| 1860-1875 | Chord Mode Velocities | | byte |
| 1876:0 | Chord Mode Enable | | byte |
| 1876:1 | Chord Mode MIDI Out Enable | | byte |
| 1876:2-7 | Reserved | n/a | |
| 1877-1883 | Reserved | n/a | byte |
| 1884-1895 | Reserved | n/a | pacV100_SPARE |
| 1896-1897 | Analog Distortion Send Level | | ushort |
| 1898-1899 | Analog Distortion Output Level | | ushort |
| 1900-1901 | Digital FX Send Level | | ushort |
| 1902-1903 | Reserved | n/a | ushort |
| 1904-1905 | Reserved | n/a | ushort |
| 1906:0-1 | Analog Distortion Type | | byte |
| 1906:2-3 | Reserved | n/a | byte |
| 1906:4-6 | Analog Distortion Output Enables | | byte |
| 1906:7 | Reserved | n/a | byte |
| 1907:0-3 | Oscillator Smoothing Type | | byte |
| 1907:4-7 | Filter Smoothing Type | | byte |
| 1908 | Digital FX Configuration | | byte |
| 1909-1938 | Digital FX Parameters (Configuration specific) | | byte |
| 1939:0-3 | Keyboard Mono Voice | | byte |
| 1939:4 | Reserved | n/a | |
| 1939:5-6 | Keyboard 1-Pitch | | byte |
| 1939:7 | Keyboard Mode | | byte |
| 1940 | Voice Assign Mode | | byte |
| 1941 | Unison X Mode | | byte |
| 1942 | Unison X Detune Amount | | byte |
| 1943 | Front Panel ENV1 Amount Knob Destinations | | byte |
| 1944:0-3 | Voice Mix Out | | byte |
| 1944:4-7 | Voice Out | | byte |
| 1945 | Front Panel Oscillator 2 FM Amount Knob Assignment | | byte |
| 1946 | Pre Filter Mix Noise/Ext. Assignment | | byte |
| 1947 | Reserved | n/a | byte |

| | | |
|-----------|---------------------------------|------|
| 1948 | Number of Program Banks on Card | byte |
| 1949 | Number of Mix Banks on Card | byte |
| 1950-2047 | Reserved | byte |
| | n/a | |

MIX DATA FORMAT

The following specific parameter information shows the locations in which each Mix parameter resides after unpacking the data from its 7 bit MIDI format into the 8 bit format as described in Opcode 00, Program Data Dump.

| Offset | Description | Range | Size (bytes) |
|--------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 0 | Mix Structure Version Number | | 2 |
| 2 | Mix Name | | 16 |
| Mix Channel 1 Structure: | | | |
| 18 | Transpose | | 4 |
| 22 | Main Volume | | 2 |
| 24 | Main Pan | | 2 |
| 26 | Reserved | | 2 |
| 28 | Reserved | | 2 |
| 30 | Controllers | bit 0 = PITCHBEND_MODWHL bit 1 = AFTERTOUCH bit 2 = SUSTAIN_PDL bit 3 = CONTROLLERS bit 4 = MIDI IN bit 5 = MIDI OUT bit 6 = KEYBOARD ON/OFF bit 7 = FX_PROG_CHANGE | 2 |
| 32 | Analog Effects Send Level | | 2 |
| 34 | Digital Effects Level | | 2 |
| 36 | Digital Effects Pan | | 2 |
| 38 | Enable | | 1 |
| 39 | Program Bank Number | | 1 |
| 40 | Program Number | | 1 |
| 41 | Low Key Range | | 1 |
| 42 | High Key Range | | 1 |
| 43 | Output | | 1 |
| 44 | Semitune | -12 to +12 | 1 |
| 45 | Cents | -100 to +100 | 1 |
| 46 | MIDI Channel | | 1 |
| 47 | Mix Mono Vox | | 1 |
| 48 | Ticks Per Step | | 2 |
| 50 | Sequencer Start/Stop Status | | 1 |
| 51 | Reserved | | 15 |
| 66 | Mix Channel 2 Structure | See Channel 1 | 48 |
| 114 | Mix Channel 3 Structure | See Channel 1 | 48 |
| 162 | Mix Channel 4 Structure | See Channel 1 | 48 |
| 210 | Mix Channel 5 Structure | See Channel 1 | 48 |
| 258 | Mix Channel 6 Structure | See Channel 1 | 48 |
| 306 | Mix Channel 7 Structure | See Channel 1 | 48 |
| 354 | Mix Channel 8 Structure | See Channel 1 | 48 |
| 402 | Mix Channel 9 Structure | See Channel 1 | 48 |
| 450 | Mix Channel 10 Structure | See Channel 1 | 48 |
| 498 | Mix Channel 11 Structure | See Channel 1 | 48 |
| 546 | Mix Channel 12 Structure | See Channel 1 | 48 |
| 594 | Mix Channel 13 Structure | See Channel 1 | 48 |
| 642 | Mix Channel 14 Structure | See Channel 1 | 48 |
| 690 | Mix Channel 15 Structure | See Channel 1 | 48 |
| 738 | Mix Channel 16 Structure | See Channel 1 | 48 |

| | | | |
|-----|------------------------------|-------------------|-----|
| 786 | Clock Structure | See Program | 20 |
| 806 | Analog Effects Output Level | | 2 |
| 808 | Reserved | n/a | 1 |
| 809 | Digital Effects Config | | 1 |
| 810 | Digital Effects Parameters | Depends on Config | 30 |
| 840 | Current Mix Channel | | 1 |
| 841 | Analog Distortion type | | 1 |
| 842 | Clock Mod Channel | | 1 |
| 843 | Current Mix Number | | 1 |
| 844 | Current Mix Bank | | 1 |
| 845 | Vox Assign Mode | | 1 |
| 846 | Number of Card Program Banks | | 1 |
| 847 | Number of Card Mix Banks | | 1 |
| 848 | Semitune | | 1 |
| 849 | Cents | | 1 |
| 850 | Reserved | n/a | 174 |

GLOBAL DATA FORMAT

The Global parameters are comprised of 15902 bytes of data. Note, unused bits must remain at 0. In addition, the signed parameters are kept in 2's complement format, so no offset adjustment is necessary.

| Offset | Description | Range |
|-------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 0-3 | Pitch Offset (32-bit 2's complement) | -32767 to +32767 |
| 4 | Transpose amount (8-bit 2's comp.) | -24 to +24 semitones from middle-C |
| 5 | Velocity Curve | 0=weight, 1=plastic, 2=max |
| 6 | Keyboard Velocity Sensitivity | 0-100, 50=default |
| 7 | Keyboard Transmit Mode | 0=local/MIDI, 1=MIDI, 2=local |
| 8 | Keyboard MIDI Channel | 1-16 |
| 9 | Aftertouch Scaling | 0-100, 50=default |
| 10 | Pedal Mode | 0=continuous, 1=reverse continuous, 2=switch, 2=reverse switch |
| 11 | Pedal MIDI CC Number | 0=off, 1-120=cc number |
| 12 | Footswitch Mode | 0=switch, 1=reverse switch |
| 13 | Footswitch MIDI CC Number | 0=off, 1-120=cc number, 121=send start/stop, 122=send start stop toggle |
| 14 | Mix Select MIDI Channel Number | 0=off, 1-16=MIDI channel number |
| 15 | Prog Select MIDI Channel Number (Receive) | 0=off, 1-16=MIDI channel number |
| 16 | MIDI Bank Select Type | 0=normal, 1=CC0, 2=CC32 |
| 17 | MIDI CC Transmit Enable | 0=off, 1=on |
| 18 | MIDI CC Receive Enable | 0=off, 1=on |
| 19 | System Exclusive Data Receive Enable | 0=off, 1=on |
| 20-27 | CC Controller Map | 0-127 |
| 28 | Knob Pass Through Enable | 0=none, 1=mod list, 2=all |
| 29 | Knob Data Thinning Amount | 0-5, 0=thin, 5=dense |
| 30 | Reserved | |
| 31 | Reserved | |
| 32 | Front Panel NRPN Receive Enable | 0=off, 1=on |
| 33 | Front Panel NRPN Mode | 0=local/MIDI, 1=MIDI, 2=local |
| 34-49 | Voice Enable (1 byte for each of 16 voices) | 0=disabled, 1=enabled |
| 50 | Reserved | |
| 51 | Voice Assign Mode | 0=lowest, 1=rotary |
| 52 | Ribbon MIDI CC # | 0=off, 1=cc20&cc52, 12=cc31&cc63 |
| 53 | Left Ribbon MIDI CC # | 0=off, 1-120=cc number |
| 54 | Right Ribbon MIDI CC # | 0=off, 1-120=cc number |
| 55 | Sequencer Keyboard Control Enable | 0=off, 1=on |
| 56 | Sequencer Graph Page Zoom | 0=off, 1-47 |
| 57 | Mix Chan Keyboard Range Keyboard Ctrl Ena | 0=off, 1=on |
| 58 | Voice Stealing | 0=off, 1=on |
| 59 | MIDI Send Program Bank Change Enable | 0=off, 1=on |
| 60 | MIDI Send Clock Enable | 0=off, 1=on |
| 61 | Clock Sync Source | 0=local, 1=MIDI |
| 62 | System Exclusive Receive-To Parameter | 0=user bank, 1=this location, 2=original, 3-15=card banks |
| 63 | System Exclusive Dump All Enable | 0=one, 1=all |
| 64-127 | Ribbon Calibration Data | |
| 128-135 | Control Wheel Calibration Data | |
| 136-14423 | Tuning Calibration Data | |
| 14424-14491 | Chord Data (32-bit 2's comp.), up to 16 notes + 1 space for termination | 0-127 semitones from root (positive direction), -1 signifies end of list. |
| 14492-15835 | Tuning Calibration Data | |
| 15836-15837 | Background Tuning Enable | 0=off, 1=on |

| | | |
|-------------|--------------------------------------------|-----------------------------------------------------------------|
| 15838-15839 | Temperature Tuning Enable | 0=off, 1=on |
| 15840-15841 | Delay between Sending of Sysex Data Bytes. | 0-65535, default=7500 |
| 15842-15843 | Last selected Program Number | 0-127 |
| 15844-15845 | Last selected Program Bank Number | 0=user bank, 1=preset 1, 2=preset 2, higher numbers are card |
| 15846-15847 | Last selected Mix Number | 0-127 |
| 15848-15849 | Last selected Mix Bank Number | 0=user bank, 1=preset, higher numbers are card |
| 15850-15901 | Reserved | |

SYSEX AND NRPN PARAMETER CHART

These values are to be used with Sysex opcode 0x0E Midi Editing or MIDI NRPNs.

| Index | Parameter Name | Sysex Only Fields | | | | |
|-------|------------------------|-------------------|----------------|------|---------|-----------------|
| | | Parent (MSB) | Child (LSB) | NRPN | Default | Range |
| 0 | CLOCK TEMPO POT | 5 | 0 | ON | 250 | 60 to 65335 |
| 1 | CLOCK SYNCMOD SWITCH | 5 | 1 | ON | 0 | any |
| 2 | CLOCK CLOCK_TAB SWITCH | 5 | 2 | OFF | 0 | any |
| 3 | CLOCK MOD_VOICE POT | 5 | 3 | ON | 0 | 0 to 2 |
| 4 | CLOCK SYNC_SRC POT | 5 | 4 | OFF | 0 | 0 to 1 |
| 5 | CLOCK MIX_CHAN POT | 5 | 5 | OFF | 0 | 0 to 15 |
| 6 | CLOCK KEYDNRESET POT | 5 | 6 | OFF | 0 | 0 to 1 |
| 7 | CLOCK CLOCK_OUT POT | 5 | 7 | OFF | 0 | 0 to 1 |
| 8 | CLOCK MOD_BTN SWITCH | 5 | 8 | ON | 0 | any |
| 9 | CLOCK MODSOURCE POT | 5 | 9 | ON | 1 | 1 to 79 |
| 10 | CLOCK MODOFFSET POT | 5 | 10 | ON | 0 | -65534 to 65534 |
| 11 | CLOCK MODSCALE POT | 5 | 11 | ON | 0 | 0 to 65535 |
| 12 | CLOCK MODEENABLE POT | 5 | 12 | ON | 0 | 0 to 1 |
| 13 | SEQ VIEW_SW SWITCH | 6 | 0 | OFF | 0 | any |
| 14 | SEQ GRAPH_TAB SWITCH | 6 | 1 | OFF | 0 | any |
| 15 | SEQ STARTSTOP SWITCH | 6 | 2 | ON | 0 | any |
| 16 | SEQ CONFIG_TAB SWITCH | 6 | 3 | OFF | 0 | any |
| 17 | SEQ PERIOD POT | 6 | 4 | ON | 250 | 1 to 65535 |
| 18 | SEQ KEYSPLIT POT | 6 | 5 | ON | 0 | 0 to 1 |
| 19 | SEQ LENGTH POT | 6 | 6 | ON | 3 | 0 to 15 |
| 20 | SEQ LOOPTYPE POT | 6 | 7 | ON | 0 | -1 to 1 |
| 21 | SEQ LOOPCNT POT | 6 | 8 | ON | 0 | 1 to 255 |
| 22 | SEQ MONOLEGATO POT | 6 | 9 | ON | 0 | 0 to 1 |
| 23 | SEQ ZOOM POT | 6 | 10 | ON | 0 | 0 to 48 |
| 24 | SEQ KBDCONTROL POT | 6 | 11 | ON | 0 | 0 to 1 |
| 25 | SEQ SYNC_TAB SWITCH | 6 | 12 | OFF | 0 | 0 to 1 |
| 26 | SEQ SYNC_SRC POT | 6 | 13 | ON | 0 | 0 to 2 |
| 27 | SEQ TIX_STEP POT | 6 | 14 | ON | 24 | 2 to 11904 |
| 28 | SEQ UPPER_LOWER SWITCH | 6 | 15 | OFF | 0 | any |
| 29 | SEQ NOTEPO_1 POT | 6 | 16 | ON | 0 | -65534 to 65534 |
| 30 | SEQ NOTEPO_2 POT | 6 | 17 | ON | 0 | -65534 to 65534 |
| 31 | SEQ NOTEPO_3 POT | 6 | 18 | ON | 0 | -65534 to 65534 |
| 32 | SEQ NOTEPO_4 POT | 6 | 19 | ON | 0 | -65534 to 65534 |
| 33 | SEQ NOTEPO_5 POT | 6 | 20 | ON | 0 | -65534 to 65534 |
| 34 | SEQ NOTEPO_6 POT | 6 | 21 | ON | 0 | -65534 to 65534 |
| 35 | SEQ NOTEPO_7 POT | 6 | 22 | ON | 0 | -65534 to 65534 |
| 36 | SEQ NOTEPO_8 POT | 6 | 23 | ON | 0 | -65534 to 65534 |
| 37 | SEQ VELPOT_1 POT | 6 | 24 | ON | 0 | -65534 to 65534 |
| 38 | SEQ VELPOT_2 POT | 6 | 25 | ON | 0 | -65534 to 65534 |
| 39 | SEQ VELPOT_3 POT | 6 | 26 | ON | 0 | -65534 to 65534 |
| 40 | SEQ VELPOT_4 POT | 6 | 27 | ON | 0 | -65534 to 65534 |
| 41 | SEQ VELPOT_5 POT | 6 | 28 | ON | 0 | -65534 to 65534 |
| 42 | SEQ VELPOT_6 POT | 6 | 29 | ON | 0 | -65534 to 65534 |

| | | | | | | |
|----|-------------------------|---|----|-----|-----|-----------------|
| 43 | SEQ VELPOT_7 POT | 6 | 30 | ON | 0 | -65534 to 65534 |
| 44 | SEQ VELPOT_8 POT | 6 | 31 | ON | 0 | -65534 to 65534 |
| 45 | SEQ GATEPOT_1 POT | 6 | 32 | ON | 1 | 1 to 49995 |
| 46 | SEQ GATEPOT_2 POT | 6 | 33 | ON | 1 | 1 to 49995 |
| 47 | SEQ GATEPOT_3 POT | 6 | 34 | ON | 1 | 1 to 49995 |
| 48 | SEQ GATEPOT_4 POT | 6 | 35 | ON | 1 | 1 to 49995 |
| 49 | SEQ GATEPOT_5 POT | 6 | 36 | ON | 1 | 1 to 49995 |
| 50 | SEQ GATEPOT_6 POT | 6 | 37 | ON | 1 | 1 to 49995 |
| 51 | SEQ GATEPOT_7 POT | 6 | 38 | ON | 1 | 1 to 49995 |
| 52 | SEQ GATEPOT_8 POT | 6 | 39 | ON | 1 | 1 to 49995 |
| 53 | SEQ NOTE_TYPEPOT_1 POT | 6 | 40 | ON | 0 | 0 to 1 |
| 54 | SEQ NOTE_TYPEPOT_2 POT | 6 | 41 | ON | 0 | 0 to 1 |
| 55 | SEQ NOTE_TYPEPOT_3 POT | 6 | 42 | ON | 0 | 0 to 1 |
| 56 | SEQ NOTE_TYPEPOT_4 POT | 6 | 43 | ON | 0 | 0 to 1 |
| 57 | SEQ NOTE_TYPEPOT_5 POT | 6 | 44 | ON | 0 | 0 to 1 |
| 58 | SEQ NOTE_TYPEPOT_6 POT | 6 | 45 | ON | 0 | 0 to 1 |
| 59 | SEQ NOTE_TYPEPOT_7 POT | 6 | 46 | ON | 0 | 0 to 1 |
| 60 | SEQ NOTE_TYPEPOT_8 POT | 6 | 47 | ON | 0 | 0 to 1 |
| 61 | SEQ TRIG_TAB SWITCH | 6 | 48 | OFF | 0 | any |
| 62 | SEQ TRIGENABLE POT | 6 | 49 | ON | 0 | 0 to 1 |
| 63 | SEQ TRIGSOURCE POT | 6 | 50 | ON | 0 | 1 to 79 |
| 64 | SEQ TRIGLEVEL POT | 6 | 51 | ON | 0 | -65534 to 65534 |
| 65 | SEQ TRIGPOLARITY POT | 6 | 52 | ON | 0 | 0 to 5 |
| 66 | SEQ RETRIG POT | 6 | 53 | ON | 0 | 0 to 1 |
| 67 | SEQ TRIGVOICE POT | 6 | 54 | ON | 0 | 0 to 2 |
| 68 | SEQ TRIGMODE POT | 6 | 55 | ON | 0 | 0 to 3 |
| 69 | SEQ SYNCMOD SWITCH | 6 | 56 | ON | 0 | any |
| 70 | SEQ MODSOURCE POT | 6 | 57 | ON | 1 | 1 to 79 |
| 71 | SEQ MODOFFSET POT | 6 | 58 | ON | 0 | -65534 to 65534 |
| 72 | SEQ MODSCALE POT | 6 | 59 | ON | 0 | -32767 to 32767 |
| 73 | SEQ MODEENABLE POT | 6 | 60 | ON | 0 | 0 to 1 |
| 74 | SEQ MODVOICE POT | 6 | 61 | ON | 0 | 0 to 2 |
| 75 | SEQ PROGRESS_TAB SWITCH | 6 | 62 | OFF | 0 | any |
| 76 | SEQ PROG POT | 6 | 63 | ON | 0 | -127 to 127 |
| 77 | SEQ PROG_MIN POT | 6 | 64 | ON | 0 | -127 to 127 |
| 78 | SEQ PROG_MAX POT | 6 | 65 | ON | 0 | -127 to 127 |
| 79 | ARP VIEW_SW SWITCH | 7 | 0 | OFF | 0 | any |
| 80 | ARP STARTSTOP SWITCH | 7 | 1 | ON | 0 | any |
| 81 | ARP CONFIG_TAB SWITCH | 7 | 2 | OFF | 0 | any |
| 82 | ARP CHORD POT | 7 | 3 | ON | 0 | 0 to 1 |
| 83 | ARP RATE POT | 7 | 4 | ON | 250 | 0 to 65535 |
| 84 | ARP LATCH SWITCH | 7 | 5 | ON | 0 | any |
| 85 | ARP LENGTH POT | 7 | 6 | ON | 30 | 0 to 65535 |
| 86 | ARP TYPE POT | 7 | 7 | ON | 0 | 0 to 3 |
| 87 | ARP OCTAVE POT | 7 | 8 | ON | 0 | -10 to 10 |
| 88 | ARP CENTER POT | 7 | 9 | ON | 0 | 0 to 1 |
| 89 | ARP SYNC_TAB SWITCH | 7 | 10 | OFF | 0 | any |
| 90 | ARP SYNC_SRC POT | 7 | 11 | ON | 0 | 0 to 2 |
| 91 | ARP TIX_STEP POT | 7 | 12 | ON | 24 | 2 to 11904 |
| 92 | ARP TRIG_TAB SWITCH | 7 | 13 | OFF | 0 | any |
| 93 | ARP TRIGENABLE POT | 7 | 14 | ON | 0 | 0 to 1 |

| | | | | | | |
|-----|----------------------------------|----|----|-----|----|-----------------|
| 94 | ARP TRIGSOURCE POT | 7 | 15 | ON | 0 | 1 to 79 |
| 95 | ARP TRIGLEVEL POT | 7 | 16 | ON | 0 | -65534 to 65534 |
| 96 | ARP TRIGPOLARITY POT | 7 | 17 | ON | 0 | 0 to 5 |
| 97 | ARP RETRIG POT | 7 | 18 | ON | 0 | 0 to 1 |
| 98 | ARP TRIGVOICE POT | 7 | 19 | ON | 0 | 0 to 2 |
| 99 | ARP TRIGMODE POT | 7 | 20 | ON | 0 | 0 to 1 |
| 100 | ARP SYNCMOD SWITCH | 7 | 21 | ON | 0 | any |
| 101 | ARP MODSOURCE POT | 7 | 22 | ON | 1 | 1 to 79 |
| 102 | ARP MODOFFSET POT | 7 | 23 | ON | 0 | -65534 to 65534 |
| 103 | ARP MODSCALE POT | 7 | 24 | ON | 0 | -32767 to 32767 |
| 104 | ARP MODEENABLE POT | 7 | 25 | ON | 0 | 0 to 1 |
| 105 | ARP MODVOICE POT | 7 | 26 | ON | 0 | 0 to 2 |
| 106 | ARP PROGRESS_TAB SWITCH | 7 | 27 | OFF | 0 | any |
| 107 | ARP PROG POT | 7 | 28 | ON | 0 | -127 to 127 |
| 108 | ARP PROG_MIN POT | 7 | 29 | ON | 0 | -127 to 127 |
| 109 | ARP PROG_MAX POT | 7 | 30 | ON | 0 | -127 to 127 |
| 110 | KBD_MODE DETUNE POT | 29 | 0 | ON | 0 | 0 to 100 |
| 111 | KBD_MODE UNISONX SWITCH | 29 | 1 | ON | 0 | 0 to 1 |
| 112 | KBD_MODE POLYMONO SWITCH | 29 | 2 | ON | 0 | 0 to 1 |
| 113 | KBD_MODE UNISONX_POT POT | 29 | 3 | ON | 0 | 0 to 16 |
| 114 | KBD_MODE POLYMONO_POT POT | 29 | 4 | ON | 0 | 0 to 1 |
| 115 | KBD_MODE MONOVOICE POT | 29 | 5 | ON | 0 | 0 to 15 |
| 116 | KBD_MODE VOX_ASSIGNMODE POT | 29 | 6 | ON | 0 | 0 to 1 |
| 117 | KBD_MODE MIX_MONOVOX POT | 29 | 7 | ON | 0 | 0 to 15 |
| 118 | PW_MODE PITCHWHEEL_BUTTON SWITCH | 30 | 0 | OFF | 0 | any |
| 119 | PW_MODE TOPRANGE POT | 30 | 1 | ON | 2 | 0 to 48 |
| 120 | PW_MODE TOPCURVE POT | 30 | 2 | ON | 0 | 0 to 8 |
| 121 | PW_MODE BOTRANGE POT | 30 | 3 | ON | 2 | 0 to 48 |
| 122 | PW_MODE BOTCURVE POT | 30 | 4 | ON | 0 | 0 to 8 |
| 123 | PW_MODE OSC1_EN POT | 30 | 5 | ON | 0 | 0 to 1 |
| 124 | PW_MODE OSC2_EN POT | 30 | 6 | ON | 0 | 0 to 1 |
| 125 | MW_MODE MODASSIGN_BUTTON SWITCH | 32 | 0 | OFF | 0 | any |
| 126 | MW_MODE MODWHL_TAB SWITCH | 32 | 1 | OFF | 0 | any |
| 127 | MW_MODE MODWHL_CURVE POT | 32 | 2 | ON | 0 | 0 to 8 |
| 128 | MW_MODE MODWHL_RANGE POT | 32 | 3 | ON | 0 | 0 to 65535 |
| 129 | CROUTES CTRL_ROUTES_TAB SWITCH | 36 | 0 | OFF | 0 | any |
| 130 | CROUTES CTRL_SRC POT | 36 | 1 | ON | 1 | 1 to 79 |
| 131 | CROUTES CTRL_LVL POT | 36 | 2 | ON | 0 | -16384 to 16384 |
| 132 | CROUTES CTRL_ENA POT | 36 | 3 | ON | 0 | 0 to 1 |
| 133 | CROUTES CTRL_DEST POT | 36 | 4 | ON | 0 | 1 to 78 |
| 134 | CROUTES GRID_TAB SWITCH | 36 | 5 | OFF | 0 | any |
| 135 | CROUTES GRID_SRC POT | 36 | 6 | ON | 1 | 1 to 79 |
| 136 | CROUTES GRID_ENA POT | 36 | 7 | ON | 0 | 0 to 1 |
| 137 | CROUTES GRID_LVL POT | 36 | 8 | ON | 0 | -16384 to 16384 |
| 138 | CROUTES GRID_SCROLL POT | 36 | 9 | ON | 0 | 1 to 78 |
| 139 | (not used) | | | | | |
| 140 | TRANSP TRANSP_BTN SWITCH | 35 | 0 | OFF | 0 | any |
| 141 | TRANSP TRANPOSE POT | 35 | 1 | ON | 0 | -24 to 24 |
| 142 | CHORD CHORD_BTN SWITCH | 34 | 0 | OFF | 0 | any |
| 143 | PORTA CURVE POT | 31 | 0 | ON | 0 | 0 to 8 |
| 144 | PORTA TIME POT | 31 | 1 | ON | 50 | 0 to 15000 |

| | | | | | | |
|-----|------------------------|----|----|-----|-------|-----------------|
| 145 | PORTA PORTA_TAB SWITCH | 31 | 2 | OFF | 0 | any |
| 146 | PORTA MODSOURCE POT | 31 | 3 | ON | 1 | 1 to 79 |
| 147 | PORTA MODOFFSET POT | 31 | 4 | ON | 0 | -65534 to 65534 |
| 148 | PORTA MODSCALE POT | 31 | 5 | ON | 0 | -32767 to 32767 |
| 149 | PORTA MODENA POT | 31 | 6 | ON | 0 | 0 to 1 |
| 150 | PORTA ONOFF_POT POT | 31 | 7 | ON | 0 | 0 to 1 |
| 151 | PORTA ONOFF_BTN SWITCH | 31 | 8 | ON | 0 | any |
| 152 | PORTA MOD_BTN SWITCH | 31 | 9 | ON | 0 | any |
| 153 | PORTA OSCENABLE POT | 31 | 10 | ON | 0 | 0 to 3 |
| 154 | PORTA FILTENABLE POT | 31 | 11 | ON | 0 | 0 to 3 |
| 155 | PORTA MODE POT | 31 | 12 | ON | 0 | 0 to 2 |
| 156 | PORTA SPEED POT | 31 | 13 | ON | 0 | 0 to 1 |
| 157 | PORTA MODE_TAB SWITCH | 31 | 14 | OFF | 0 | any |
| 158 | PORTA STARTMODE POT | 31 | 15 | ON | 0 | 0 to 3 |
| 159 | PORTA STARTOFS POT | 31 | 16 | ON | 0 | -127 to 127 |
| 160 | LFO_1 VIEW SWITCH | 8 | 0 | OFF | 0 | any |
| 161 | LFO_1 WAVETAB SWITCH | 8 | 1 | OFF | 0 | any |
| 162 | LFO_1 TRIGTAB SWITCH | 8 | 2 | OFF | 0 | any |
| 163 | LFO_1 TRIGENABLE POT | 8 | 3 | ON | 0 | 0 to 1 |
| 164 | LFO_1 TRIGSOURCE POT | 8 | 4 | ON | 1 | 1 to 79 |
| 165 | LFO_1 TRIGLEVEL POT | 8 | 5 | ON | 0 | -65534 to 65534 |
| 166 | LFO_1 TRIGPOLARITY POT | 8 | 6 | ON | 0 | 0 to 5 |
| 167 | LFO_1 VOXTRG POT | 8 | 7 | ON | 0 | 0 to 1 |
| 168 | LFO_1 FREERUN POT | 8 | 8 | ON | 0 | 0 to 1 |
| 169 | LFO_1 MOD SWITCH | 8 | 9 | ON | 0 | any |
| 170 | LFO_1 RATE POT | 8 | 10 | ON | 50 | 20 to 65535 |
| 171 | LFO_1 MODEENABLE POT | 8 | 11 | ON | 0 | 0 to 1 |
| 172 | LFO_1 MODSOURCE POT | 8 | 12 | ON | 1 | 1 to 79 |
| 173 | LFO_1 MODDEST POT | 8 | 13 | ON | 0 | 0 to 5 |
| 174 | LFO_1 MODOFFSET POT | 8 | 14 | ON | 0 | -65534 to 65534 |
| 175 | LFO_1 MODSCALE POT | 8 | 15 | ON | 0 | -32767 to 32767 |
| 176 | LFO_1 SHAPE POT | 8 | 16 | ON | 0 | 0 to 5 |
| 177 | LFO_1 DELAY POT | 8 | 17 | ON | 0 | 0 to 65535 |
| 178 | LFO_1 PHASE POT | 8 | 18 | ON | 0 | 0 to 65535 |
| 179 | LFO_1 DUTYCYCLE POT | 8 | 19 | ON | 32768 | 0 to 65535 |
| 180 | LFO_1 OFFSET POT | 8 | 20 | ON | 0 | -65534 to 65534 |
| 181 | LFO_1 POLARITY POT | 8 | 21 | ON | 0 | -1 to 1 |
| 182 | LFO_1 LEVEL POT | 8 | 22 | ON | 32768 | 0 to 65535 |
| 183 | LFO_1 SYNCTAB SWITCH | 8 | 23 | OFF | 0 | any |
| 184 | LFO_1 SYNCSRC POT | 8 | 24 | ON | 0 | 0 to 2 |
| 185 | LFO_1 TIXPERIOD POT | 8 | 25 | ON | 24 | 2 to 11904 |
| 186 | LFO_2 VIEW SWITCH | 9 | 0 | OFF | 0 | any |
| 187 | LFO_2 WAVETAB SWITCH | 9 | 1 | OFF | 0 | any |
| 188 | LFO_2 TRIGTAB SWITCH | 9 | 2 | OFF | 0 | any |
| 189 | LFO_2 TRIGENABLE POT | 9 | 3 | ON | 0 | 0 to 1 |
| 190 | LFO_2 TRIGSOURCE POT | 9 | 4 | ON | 1 | 1 to 79 |
| 191 | LFO_2 TRIGLEVEL POT | 9 | 5 | ON | 0 | -65534 to 65534 |
| 192 | LFO_2 TRIGPOLARITY POT | 9 | 6 | ON | 0 | 0 to 5 |
| 193 | LFO_2 VOXTRG POT | 9 | 7 | ON | 0 | 0 to 1 |
| 194 | LFO_2 FREERUN POT | 9 | 8 | ON | 0 | 0 to 1 |
| 195 | LFO_2 MOD SWITCH | 9 | 9 | ON | 0 | any |

| | | | | | | |
|-----|------------------------|----|----|-----|-------|-----------------|
| 196 | LFO_2 RATE POT | 9 | 10 | ON | 50 | 20 to 65535 |
| 197 | LFO_2 MODENABLE POT | 9 | 11 | ON | 0 | 0 to 1 |
| 198 | LFO_2 MODSOURCE POT | 9 | 12 | ON | 1 | 1 to 79 |
| 199 | LFO_2 MODDEST POT | 9 | 13 | ON | 0 | 0 to 5 |
| 200 | LFO_2 MODOFFSET POT | 9 | 14 | ON | 0 | -65534 to 65534 |
| 201 | LFO_2 MODSCALE POT | 9 | 15 | ON | 0 | -32767 to 32767 |
| 202 | LFO_2 SHAPE POT | 9 | 16 | ON | 0 | 0 to 5 |
| 203 | LFO_2 DELAY POT | 9 | 17 | ON | 0 | 0 to 65535 |
| 204 | LFO_2 PHASE POT | 9 | 18 | ON | 0 | 0 to 65535 |
| 205 | LFO_2 DUTYCYCLE POT | 9 | 19 | ON | 32768 | 0 to 65535 |
| 206 | LFO_2 OFFSET POT | 9 | 20 | ON | 0 | -65534 to 65534 |
| 207 | LFO_2 POLARITY POT | 9 | 21 | ON | 0 | -1 to 1 |
| 208 | LFO_2 LEVEL POT | 9 | 22 | ON | 32768 | 0 to 65535 |
| 209 | LFO_2 SYNCTAB SWITCH | 9 | 23 | OFF | 0 | any |
| 210 | LFO_2 SYNCSRC POT | 9 | 24 | ON | 0 | 0 to 2 |
| 211 | LFO_2 TIXPERIOD POT | 9 | 25 | ON | 24 | 2 to 11904 |
| 212 | LFO_3 VIEW SWITCH | 10 | 0 | OFF | 0 | any |
| 213 | LFO_3 WAVE TAB SWITCH | 10 | 1 | OFF | 0 | any |
| 214 | LFO_3 TRIGTAB SWITCH | 10 | 2 | OFF | 0 | any |
| 215 | LFO_3 TRIGENABLE POT | 10 | 3 | ON | 0 | 0 to 1 |
| 216 | LFO_3 TRIGSOURCE POT | 10 | 4 | ON | 1 | 1 to 79 |
| 217 | LFO_3 TRIGLEVEL POT | 10 | 5 | ON | 0 | -65534 to 65534 |
| 218 | LFO_3 TRIGPOLARITY POT | 10 | 6 | ON | 0 | 0 to 5 |
| 219 | LFO_3 VOXTRG POT | 10 | 7 | ON | 0 | 0 to 1 |
| 220 | LFO_3 FREERUN POT | 10 | 8 | ON | 0 | 0 to 1 |
| 221 | LFO_3 MOD SWITCH | 10 | 9 | ON | 0 | any |
| 222 | LFO_3 RATE POT | 10 | 10 | ON | 50 | 20 to 65535 |
| 223 | LFO_3 MODENABLE POT | 10 | 11 | ON | 0 | 0 to 1 |
| 224 | LFO_3 MODSOURCE POT | 10 | 12 | ON | 1 | 1 to 79 |
| 225 | LFO_3 MODDEST POT | 10 | 13 | ON | 0 | 0 to 5 |
| 226 | LFO_3 MODOFFSET POT | 10 | 14 | ON | 0 | -65534 to 65534 |
| 227 | LFO_3 MODSCALE POT | 10 | 15 | ON | 0 | -32767 to 32767 |
| 228 | LFO_3 SHAPE POT | 10 | 16 | ON | 0 | 0 to 5 |
| 229 | LFO_3 DELAY POT | 10 | 17 | ON | 0 | 0 to 65535 |
| 230 | LFO_3 PHASE POT | 10 | 18 | ON | 0 | 0 to 65535 |
| 231 | LFO_3 DUTYCYCLE POT | 10 | 19 | ON | 32768 | 0 to 65535 |
| 232 | LFO_3 OFFSET POT | 10 | 20 | ON | 0 | -65534 to 65534 |
| 233 | LFO_3 POLARITY POT | 10 | 21 | ON | 0 | -1 to 1 |
| 234 | LFO_3 LEVEL POT | 10 | 22 | ON | 32768 | 0 to 65535 |
| 235 | LFO_3 SYNCTAB SWITCH | 10 | 23 | OFF | 0 | any |
| 236 | LFO_3 SYNCSRC POT | 10 | 24 | ON | 0 | 0 to 2 |
| 237 | LFO_3 TIXPERIOD POT | 10 | 25 | ON | 24 | 2 to 11904 |
| 238 | SH VIEW_BTN SWITCH | 11 | 0 | OFF | 0 | any |
| 239 | SH INPUT_TAB SWITCH | 11 | 1 | OFF | 0 | any |
| 240 | SH INPUTSOURCE POT | 11 | 2 | ON | 1 | 1 to 79 |
| 241 | SH INPUTOFFSET POT | 11 | 3 | ON | 0 | -65534 to 65534 |
| 242 | SH INPUTSCALE POT | 11 | 4 | ON | 0 | -32767 to 32767 |
| 243 | SH ENABLE POT | 11 | 5 | ON | 0 | 0 to 1 |
| 244 | SH VOXTRIG POT | 11 | 6 | ON | 0 | 0 to 1 |
| 245 | SH TRIG_TAB SWITCH | 11 | 7 | OFF | 0 | any |
| 246 | SH TRIGSOURCE POT | 11 | 8 | ON | 1 | 1 to 79 |

| | | | | | | |
|-----|-----------------------------|----|----|-----|----|-----------------|
| 247 | SH TRIGLEVEL POT | 11 | 9 | ON | 0 | -65534 to 65534 |
| 248 | SH TRIGPOLARITY POT | 11 | 10 | ON | 0 | 0 to 5 |
| 249 | SH TRIGENABLE POT | 11 | 11 | ON | 0 | 0 to 1 |
| 250 | SH SAMPLEONTRIG POT | 11 | 12 | ON | 0 | 0 to 1 |
| 251 | SH MOD_BTN SWITCH | 11 | 13 | ON | 0 | any |
| 252 | SH MOD_TAB SWITCH | 11 | 14 | OFF | 0 | any |
| 253 | SH CLOCKFREQ POT | 11 | 15 | ON | 1 | 5 to 32768 |
| 254 | SH MODSOURCE POT | 11 | 16 | ON | 1 | 1 to 79 |
| 255 | SH MODOFFSET POT | 11 | 17 | ON | 0 | -65534 to 65534 |
| 256 | SH MODSCALE POT | 11 | 18 | ON | 0 | -32767 to 32767 |
| 257 | SH MODEnable POT | 11 | 19 | ON | 0 | 0 to 1 |
| 258 | SH SYNC_TAB SWITCH | 11 | 20 | OFF | 0 | any |
| 259 | SH SYNCsrc POT | 11 | 21 | ON | 0 | 0 to 2 |
| 260 | SH TIXPERSTEP POT | 11 | 22 | ON | 24 | 2 to 11904 |
| 261 | PROCESS PROCSW SWITCH | 12 | 0 | OFF | 0 | any |
| 262 | PROCESS PROC_SEL POT | 12 | 1 | ON | 0 | 0 to 1 |
| 263 | TRACK_GEN INPUT_TAB SWITCH | 13 | 0 | OFF | 0 | any |
| 264 | TRACK_GEN OUTPUT_TAB SWITCH | 13 | 1 | OFF | 0 | any |
| 265 | TRACK_GEN INSRC POT | 13 | 2 | ON | 1 | 1 to 79 |
| 266 | TRACK_GEN INLVL POT | 13 | 3 | ON | 0 | -32767 to 32767 |
| 267 | TRACK_GEN INOFS POT | 13 | 4 | ON | 0 | -65534 to 65534 |
| 268 | TRACK_GEN TYPE POT | 13 | 5 | ON | 0 | 0 to 1 |
| 269 | TRACK_GEN ENABLE POT | 13 | 6 | ON | 0 | 0 to 1 |
| 270 | TRACK_GEN SIZE POT | 13 | 7 | ON | 0 | 0 to 15 |
| 271 | TRACK_GEN POINT_SEL POT | 13 | 8 | ON | 0 | 0 to 15 |
| 272 | TRACK_GEN CURVESET POT | 13 | 9 | ON | 0 | 0 to 8 |
| 273 | TRACK_GEN OUTVAL_Y_POT POT | 13 | 10 | ON | 0 | -65534 to 65534 |
| 274 | TRACK_GEN INVAL_X_POT POT | 13 | 11 | ON | 0 | -65534 to 65534 |
| 275 | SMOOTHSET SMOOTHTAB SWITCH | 14 | 0 | OFF | 0 | any |
| 276 | SMOOTHSET OSC POT | 14 | 1 | ON | 0 | 0 to 3 |
| 277 | SMOOTHSET FILT POT | 14 | 2 | ON | 0 | 0 to 3 |
| 278 | (not used) | | | | | |
| 279 | (not used) | | | | | |
| 280 | OSC_1 TUNESEMITONE POT | 15 | 0 | ON | 0 | -60 to 60 |
| 281 | OSC_1 TUNECENTS POT | 15 | 1 | ON | 0 | -100 to 100 |
| 282 | OSC_1 TUNEFINE POT | 15 | 2 | ON | 0 | -100 to 100 |
| 283 | OSC_1 1PITCH POT | 15 | 3 | ON | 0 | 0 to 1 |
| 284 | OSC_1 NZEXT_TAB SWITCH | 15 | 4 | OFF | 0 | any |
| 285 | OSC_1 NZ_SOURCE POT | 15 | 5 | ON | 0 | 0 to 3 |
| 286 | OSC_1 NZ_LINFM POT | 15 | 6 | ON | 0 | 0 to 65535 |
| 287 | OSC_1 NZ_EXPFM POT | 15 | 7 | ON | 0 | 0 to 65535 |
| 288 | OSC_1 NZ_PWM POT | 15 | 8 | ON | 0 | 0 to 65535 |
| 289 | OSC_1 NZ_EXPFM2 POT | 15 | 9 | ON | 0 | 0 to 65535 |
| 290 | OSC_1 NZ_PWM2 POT | 15 | 10 | ON | 0 | 0 to 65535 |
| 291 | OSC_1 FM_TAB SWITCH | 15 | 11 | OFF | 0 | any |
| 292 | OSC_1 OSC2FMLEVEL POT | 15 | 12 | ON | 0 | 0 to 65535 |
| 293 | OSC_1 OSC2LINFM POT | 15 | 13 | ON | 0 | 0 to 65535 |
| 294 | OSC_1 OSC2EXPFM POT | 15 | 14 | ON | 0 | 0 to 65535 |
| 295 | OSC_1 OSC2PWM POT | 15 | 15 | ON | 0 | 0 to 65535 |
| 296 | OSC_1 FM_FPASSIGN POT | 15 | 16 | ON | 0 | 0 to 7 |
| 297 | OSC_1 BUTTON_SIN SWITCH | 15 | 17 | ON | 0 | any |

| | | | | | | |
|-----|------------------------------|----|----|-----|-------|-----------------|
| 298 | OSC_1 BUTTON_TRI SWITCH | 15 | 18 | ON | 0 | any |
| 299 | OSC_1 BUTTON_SAW SWITCH | 15 | 19 | ON | 0 | any |
| 300 | OSC_1 BUTTON_SQR SWITCH | 15 | 20 | ON | 0 | any |
| 301 | OSC_1 POT_SIN POT | 15 | 21 | ON | 0 | 0 to 1 |
| 302 | OSC_1 POT_TRI POT | 15 | 22 | ON | 0 | 0 to 1 |
| 303 | OSC_1 POT_SAW POT | 15 | 23 | ON | 0 | 0 to 2 |
| 304 | OSC_1 POT_SQR POT | 15 | 24 | ON | 0 | 0 to 1 |
| 305 | OSC_1 POT_SQR_LVL POT | 15 | 25 | ON | 7208 | 0 to 32767 |
| 306 | OSC_1 POT_CVOUT POT | 15 | 26 | ON | 0 | 0 to 1 |
| 307 | OSC_1 PULSEWIDTH POT | 15 | 27 | ON | 32768 | 0 to 65535 |
| 308 | OSC_1 VIEWBUTTON SWITCH | 15 | 28 | OFF | 0 | any |
| 309 | OSC_1 TUNE_TAB SWITCH | 15 | 29 | OFF | 0 | any |
| 310 | OSC_1 WAVE_TAB SWITCH | 15 | 30 | OFF | 0 | any |
| 311 | OSC_1 ENV1_TAB SWITCH | 15 | 31 | OFF | 0 | any |
| 312 | OSC_1 ENV1MODEENABLE POT | 15 | 32 | ON | 0 | 0 to 1 |
| 313 | OSC_1 ENV1MODLEVEL POT | 15 | 33 | ON | 0 | -32767 to 32767 |
| 314 | OSC_1 ENV1MODOFFSET POT | 15 | 34 | ON | 0 | -65534 to 65534 |
| 315 | OSC_1 MODMASTER_TAB SWITCH | 15 | 35 | OFF | 0 | any |
| 316 | OSC_1 OSC2FMMODBUTTON SWITCH | 15 | 36 | ON | 0 | any |
| 317 | OSC_1 PWMMODBUTTON SWITCH | 15 | 37 | ON | 0 | any |
| 318 | OSC_1 MOD1BUTTON SWITCH | 15 | 38 | ON | 0 | any |
| 319 | OSC_1 MOD2BUTTON SWITCH | 15 | 39 | ON | 0 | any |
| 320 | OSC_1 MOD3BUTTON SWITCH | 15 | 40 | ON | 0 | any |
| 321 | OSC_1 OSC2FMMODEENABLE POT | 15 | 41 | ON | 0 | 0 to 1 |
| 322 | OSC_1 PWMMODEENABLE POT | 15 | 42 | ON | 0 | 0 to 1 |
| 323 | OSC_1 MOD1ENABLE POT | 15 | 43 | ON | 0 | 0 to 1 |
| 324 | OSC_1 MOD2ENABLE POT | 15 | 44 | ON | 0 | 0 to 1 |
| 325 | OSC_1 MOD3ENABLE POT | 15 | 45 | ON | 0 | 0 to 1 |
| 326 | OSC_1 OSC2FMMODSOURCE POT | 15 | 46 | ON | 1 | 1 to 79 |
| 327 | OSC_1 PWMMODSOURCE POT | 15 | 47 | ON | 1 | 1 to 79 |
| 328 | OSC_1 MOD1SOURCE POT | 15 | 48 | ON | 1 | 1 to 79 |
| 329 | OSC_1 MOD2SOURCE POT | 15 | 49 | ON | 1 | 1 to 79 |
| 330 | OSC_1 MOD3SOURCE POT | 15 | 50 | ON | 1 | 1 to 79 |
| 331 | OSC_1 OSC2FMMODDEST POT | 15 | 51 | ON | 0 | 0 to 2 |
| 332 | OSC_1 PWMMODDEST POT | 15 | 52 | ON | 0 | |
| 333 | OSC_1 MOD1DEST POT | 15 | 53 | ON | 0 | 0 to 8 |
| 334 | OSC_1 MOD2DEST POT | 15 | 54 | ON | 0 | 0 to 8 |
| 335 | OSC_1 MOD3DEST POT | 15 | 55 | ON | 0 | 0 to 8 |
| 336 | OSC_1 OSC2FMMODOFFSET POT | 15 | 56 | ON | 0 | -65534 to 65534 |
| 337 | OSC_1 PWMMODOFFSET POT | 15 | 57 | ON | 0 | -65534 to 65534 |
| 338 | OSC_1 MOD1OFFSET POT | 15 | 58 | ON | 0 | -65534 to 65534 |
| 339 | OSC_1 MOD2OFFSET POT | 15 | 59 | ON | 0 | -65534 to 65534 |
| 340 | OSC_1 MOD3OFFSET POT | 15 | 60 | ON | 0 | -65534 to 65534 |
| 341 | OSC_1 OSC2FMMODSCALE POT | 15 | 61 | ON | 0 | -32767 to 32767 |
| 342 | OSC_1 PWMMODSCALE POT | 15 | 62 | ON | 0 | -16384 to 16384 |
| 343 | OSC_1 MOD1SCALE POT | 15 | 63 | ON | 0 | -32767 to 32767 |
| 344 | OSC_1 MOD2SCALE POT | 15 | 64 | ON | 0 | -32767 to 32767 |
| 345 | OSC_1 MOD3SCALE POT | 15 | 65 | ON | 0 | -32767 to 32767 |
| 346 | OSC_1 FPLINK POT | 15 | 66 | ON | 0 | any |
| 347 | OSC_2 TUNESEMITONE POT | 16 | 0 | ON | 0 | -60 to 60 |
| 348 | OSC_2 TUNECENTS POT | 16 | 1 | ON | 0 | -100 to 100 |

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|-----|------------------------------|----|----|-----|-------|-----------------|
| 349 | OSC_2 TUNEFINE POT | 16 | 2 | ON | 0 | -100 to 100 |
| 350 | OSC_2 1PITCH POT | 16 | 3 | ON | 0 | 0 to 1 |
| 351 | OSC_2 BUTTON_SIN SWITCH | 16 | 4 | ON | 0 | any |
| 352 | OSC_2 BUTTON_TRI SWITCH | 16 | 5 | ON | 0 | any |
| 353 | OSC_2 BUTTON_SAW SWITCH | 16 | 6 | ON | 0 | any |
| 354 | OSC_2 BUTTON_SQR SWITCH | 16 | 7 | ON | 0 | any |
| 355 | OSC_2 POT_SIN POT | 16 | 8 | ON | 0 | 0 to 1 |
| 356 | OSC_2 POT_TRI POT | 16 | 9 | ON | 0 | 0 to 1 |
| 357 | OSC_2 POT_SAW POT | 16 | 10 | ON | 0 | 0 to 2 |
| 358 | OSC_2 POT_SQR POT | 16 | 11 | ON | 0 | 0 to 1 |
| 359 | OSC_2 POT_SQR_LVL POT | 16 | 12 | ON | 7208 | 0 to 32767 |
| 360 | OSC_2 POT_CVOUT POT | 16 | 13 | ON | 0 | 0 to 1 |
| 361 | OSC_2 PULSEWIDTH POT | 16 | 14 | ON | 32768 | 0 to 65535 |
| 362 | OSC_2 VIEWBUTTON SWITCH | 16 | 15 | OFF | 0 | any |
| 363 | OSC_2 TUNE_TAB SWITCH | 16 | 16 | OFF | 0 | any |
| 364 | OSC_2 WAVE_TAB SWITCH | 16 | 17 | OFF | 0 | any |
| 365 | OSC_2 ENV1_TAB SWITCH | 16 | 18 | OFF | 0 | any |
| 366 | OSC_2 ENV1MODEENABLE POT | 16 | 19 | ON | 0 | 0 to 1 |
| 367 | OSC_2 ENV1MODLEVEL POT | 16 | 20 | ON | 0 | -32767 to 32767 |
| 368 | OSC_2 ENV1MODOFFSET POT | 16 | 21 | ON | 0 | -65534 to 65534 |
| 369 | OSC_2 SYNCBUTTON SWITCH | 16 | 22 | ON | 0 | any |
| 370 | OSC_2 POT_SYNC POT | 16 | 23 | ON | 0 | 0 to 2 |
| 371 | OSC_2 MODMASTER_TAB SWITCH | 16 | 24 | OFF | 0 | any |
| 372 | OSC_2 PWMMODBUTTON SWITCH | 16 | 25 | ON | 0 | any |
| 373 | OSC_2 MOD1BUTTON SWITCH | 16 | 26 | ON | 0 | any |
| 374 | OSC_2 MOD2BUTTON SWITCH | 16 | 27 | ON | 0 | any |
| 375 | OSC_2 MOD3BUTTON SWITCH | 16 | 28 | ON | 0 | any |
| 376 | OSC_2 PWMMODEENABLE POT | 16 | 29 | ON | 0 | 0 to 1 |
| 377 | OSC_2 MOD1ENABLE POT | 16 | 30 | ON | 0 | 0 to 1 |
| 378 | OSC_2 MOD2ENABLE POT | 16 | 31 | ON | 0 | 0 to 1 |
| 379 | OSC_2 MOD3ENABLE POT | 16 | 32 | ON | 0 | 0 to 1 |
| 380 | OSC_2 PWMMODSOURCE POT | 16 | 33 | ON | 1 | 1 to 79 |
| 381 | OSC_2 MOD1SOURCE POT | 16 | 34 | ON | 1 | 1 to 79 |
| 382 | OSC_2 MOD2SOURCE POT | 16 | 35 | ON | 1 | 1 to 79 |
| 383 | OSC_2 MOD3SOURCE POT | 16 | 36 | ON | 1 | 1 to 79 |
| 384 | OSC_2 PWMMODDEST POT | 16 | 37 | ON | 0 | |
| 385 | OSC_2 MOD1DEST POT | 16 | 38 | ON | 0 | 0 to 4 |
| 386 | OSC_2 MOD2DEST POT | 16 | 39 | ON | 0 | 0 to 4 |
| 387 | OSC_2 MOD3DEST POT | 16 | 40 | ON | 0 | 0 to 4 |
| 388 | OSC_2 PWMMODOFFSET POT | 16 | 41 | ON | 0 | -65534 to 65534 |
| 389 | OSC_2 MOD1OFFSET POT | 16 | 42 | ON | 0 | -65534 to 65534 |
| 390 | OSC_2 MOD2OFFSET POT | 16 | 43 | ON | 0 | -65534 to 65534 |
| 391 | OSC_2 MOD3OFFSET POT | 16 | 44 | ON | 0 | -65534 to 65534 |
| 392 | OSC_2 PWMMODSCALE POT | 16 | 45 | ON | 0 | -16384 to 16384 |
| 393 | OSC_2 MOD1SCALE POT | 16 | 46 | ON | 0 | -32767 to 32767 |
| 394 | OSC_2 MOD2SCALE POT | 16 | 47 | ON | 0 | -32767 to 32767 |
| 395 | OSC_2 MOD3SCALE POT | 16 | 48 | ON | 0 | -32767 to 32767 |
| 396 | OSC_2 ENV_OSC12BUTTON SWITCH | 16 | 49 | ON | 0 | any |
| 397 | OSC_2 ENV12AMOUNT POT | 16 | 50 | ON | 0 | any |
| 398 | OSC_2 FPLINK POT | 16 | 51 | ON | 0 | any |
| 399 | PRE_FILT OSC1LEVEL POT | 17 | 0 | ON | 16384 | 0 to 32768 |

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|-----|-----------------------------------|----|----|-----|-------|-----------------|
| 400 | PRE_FILT OSC2LEVEL POT | 17 | 1 | ON | 16384 | 0 to 32768 |
| 401 | PRE_FILT SUBOSC1LEVEL POT | 17 | 2 | ON | 16384 | 0 to 32768 |
| 402 | PRE_FILT SUBOSC2LEVEL POT | 17 | 3 | ON | 16384 | 0 to 32768 |
| 403 | PRE_FILT RINGMODLEVEL POT | 17 | 4 | ON | 16384 | 0 to 32768 |
| 404 | PRE_FILT NOISEEXTLEVEL POT | 17 | 5 | ON | 16384 | 0 to 32768 |
| 405 | PRE_FILT NZEXT_POT POT | 17 | 6 | ON | 0 | 0 to 4 |
| 406 | PRE_FILT NOISE_POT POT | 17 | 7 | ON | 16384 | 0 to 32768 |
| 407 | PRE_FILT OSC1_POT POT | 17 | 8 | ON | 16384 | 0 to 32768 |
| 408 | PRE_FILT OSC1SUB_POT POT | 17 | 9 | ON | 16384 | 0 to 32768 |
| 409 | PRE_FILT OSC2_POT POT | 17 | 10 | ON | 16384 | 0 to 32768 |
| 410 | PRE_FILT OSC2SUB_POT POT | 17 | 11 | ON | 16384 | 0 to 32768 |
| 411 | PRE_FILT RINGMOD_POT POT | 17 | 12 | ON | 16384 | 0 to 32768 |
| 412 | PRE_FILT EXTAUDIN_POT POT | 17 | 13 | ON | 16384 | 0 to 1 |
| 413 | PRE_FILT MIXTAB SWITCH | 17 | 14 | OFF | 0 | any |
| 414 | PRE_FILT NOISEMOD_TAB SWITCH | 17 | 15 | ON | 0 | any |
| 415 | PRE_FILT OSC1MOD_TAB SWITCH | 17 | 16 | ON | 0 | any |
| 416 | PRE_FILT OSC1SUBMOD_TAB SWITCH | 17 | 17 | ON | 0 | any |
| 417 | PRE_FILT OSC2MOD_TAB SWITCH | 17 | 18 | ON | 0 | any |
| 418 | PRE_FILT OSC2SUBMOD_TAB SWITCH | 17 | 19 | ON | 0 | any |
| 419 | PRE_FILT RINGMOD_TAB SWITCH | 17 | 20 | ON | 0 | any |
| 420 | PRE_FILT OSC1MODBUTTON SWITCH | 17 | 21 | ON | 0 | any |
| 421 | PRE_FILT OSC2MODBUTTON SWITCH | 17 | 22 | ON | 0 | any |
| 422 | PRE_FILT SUBOSC1MODBUTTON SWITCH | 17 | 23 | ON | 0 | any |
| 423 | PRE_FILT SUBOSC2MODBUTTON SWITCH | 17 | 24 | ON | 0 | any |
| 424 | PRE_FILT RINGMODMODBUTTON SWITCH | 17 | 25 | ON | 0 | any |
| 425 | PRE_FILT NOISEEXTMODBUTTON SWITCH | 17 | 26 | ON | 0 | any |
| 426 | PRE_FILT OSC1MOD_SRC POT | 17 | 27 | ON | 1 | 1 to 79 |
| 427 | PRE_FILT OSC2MOD_SRC POT | 17 | 28 | ON | 1 | 1 to 79 |
| 428 | PRE_FILT SUBOSC1MOD_SRC POT | 17 | 29 | ON | 1 | 1 to 79 |
| 429 | PRE_FILT SUBOSC2MOD_SRC POT | 17 | 30 | ON | 1 | 1 to 79 |
| 430 | PRE_FILT RINGMODMOD_SRC POT | 17 | 31 | ON | 1 | 1 to 79 |
| 431 | PRE_FILT NOISEEXTMOD_SRC POT | 17 | 32 | ON | 1 | 1 to 79 |
| 432 | PRE_FILT OSC1MOD_SCL POT | 17 | 33 | ON | 0 | -32767 to 32767 |
| 433 | PRE_FILT OSC2MOD_SCL POT | 17 | 34 | ON | 0 | -32767 to 32767 |
| 434 | PRE_FILT SUBOSC1MOD_SCL POT | 17 | 35 | ON | 0 | -32767 to 32767 |
| 435 | PRE_FILT SUBOSC2MOD_SCL POT | 17 | 36 | ON | 0 | -32767 to 32767 |
| 436 | PRE_FILT RINGMODMOD_SCL POT | 17 | 37 | ON | 0 | -32767 to 32767 |
| 437 | PRE_FILT NOISEEXTMOD_SCL POT | 17 | 38 | ON | 0 | -32767 to 32767 |
| 438 | PRE_FILT OSC1MOD_OFS POT | 17 | 39 | ON | 0 | -65534 to 65534 |
| 439 | PRE_FILT OSC2MOD_OFS POT | 17 | 40 | ON | 0 | -65534 to 65534 |
| 440 | PRE_FILT SUBOSC1MOD_OFS POT | 17 | 41 | ON | 0 | -65534 to 65534 |
| 441 | PRE_FILT SUBOSC2MOD_OFS POT | 17 | 42 | ON | 0 | -65534 to 65534 |
| 442 | PRE_FILT RINGMODMOD_OFS POT | 17 | 43 | ON | 0 | -65534 to 65534 |
| 443 | PRE_FILT NOISEEXTMOD_OFS POT | 17 | 44 | ON | 0 | -65534 to 65534 |
| 444 | PRE_FILT OSC1MOD_ENA POT | 17 | 45 | ON | 0 | 0 to 1 |
| 445 | PRE_FILT OSC2MOD_ENA POT | 17 | 46 | ON | 0 | 0 to 1 |
| 446 | PRE_FILT SUBOSC1MOD_ENA POT | 17 | 47 | ON | 0 | 0 to 1 |
| 447 | PRE_FILT SUBOSC2MOD_ENA POT | 17 | 48 | ON | 0 | 0 to 1 |
| 448 | PRE_FILT RINGMODMOD_ENA POT | 17 | 49 | ON | 0 | 0 to 1 |
| 449 | PRE_FILT NOISEEXTMOD_ENA POT | 17 | 50 | ON | 0 | 0 to 1 |
| 450 | PRE_FILT EXTINSELECT SWITCH | 17 | 51 | ON | 0 | any |

| | | | | | | |
|-----|--------------------------------|----|----|-----|-------|-----------------|
| 451 | PRE_FILT FILTERFEEDBACK SWITCH | 17 | 52 | ON | 0 | 0 to 1 |
| 452 | PRE_FILT VIEWSW SWITCH | 17 | 53 | OFF | 0 | any |
| 453 | FILT_1 FREQUENCY POT | 18 | 0 | ON | 0 | 0 to 65535 |
| 454 | FILT_1 RESONANCE POT | 18 | 1 | ON | 16384 | 0 to 32768 |
| 455 | FILT_1 KEYTRACK POT | 18 | 2 | ON | 16384 | 0 to 32768 |
| 456 | FILT_1 ENV2AMOUNT POT | 18 | 3 | ON | 0 | 0 to 32768 |
| 457 | FILT_1 KEYTRK_LVL_POT POT | 18 | 4 | ON | 16384 | -32767 to 32767 |
| 458 | FILT_1 KEYTRK_OFS_POT POT | 18 | 5 | ON | 0 | -127 to 127 |
| 459 | FILT_1 ENV2_LVL_POT POT | 18 | 6 | ON | 0 | 0 to 32767 |
| 460 | FILT_1 ENV2_OFS_POT POT | 18 | 7 | ON | 0 | -65534 to 65534 |
| 461 | FILT_1 CVIN_POT POT | 18 | 8 | ON | 0 | 0 to 32768 |
| 462 | FILT_1 CV_ROUTE POT | 18 | 9 | ON | 0 | 0 to 3 |
| 463 | FILT_1 VIEWBUTTON SWITCH | 18 | 10 | OFF | 0 | any |
| 464 | FILT_1 MOD1BUTTON SWITCH | 18 | 11 | ON | 0 | any |
| 465 | FILT_1 MOD2BUTTON SWITCH | 18 | 12 | ON | 0 | any |
| 466 | FILT_1 MOD3BUTTON SWITCH | 18 | 13 | ON | 0 | any |
| 467 | FILT_1 FILT1TAB SWITCH | 18 | 14 | OFF | 0 | any |
| 468 | FILT_1 MOD1TAB SWITCH | 18 | 15 | ON | 0 | any |
| 469 | FILT_1 MOD2TAB SWITCH | 18 | 16 | ON | 0 | any |
| 470 | FILT_1 MOD3TAB SWITCH | 18 | 17 | ON | 0 | any |
| 471 | FILT_1 MOD1SRC POT | 18 | 18 | ON | 1 | 1 to 79 |
| 472 | FILT_1 MOD2SRC POT | 18 | 19 | ON | 1 | 1 to 79 |
| 473 | FILT_1 MOD3SRC POT | 18 | 20 | ON | 1 | 1 to 79 |
| 474 | FILT_1 MOD1DST POT | 18 | 21 | ON | 0 | 0 to 1 |
| 475 | FILT_1 MOD2DST POT | 18 | 22 | ON | 0 | 0 to 1 |
| 476 | FILT_1 MOD3DST POT | 18 | 23 | ON | 0 | 0 to 1 |
| 477 | FILT_1 MOD1OFS POT | 18 | 24 | ON | 0 | -65534 to 65534 |
| 478 | FILT_1 MOD2OFS POT | 18 | 25 | ON | 0 | -65534 to 65534 |
| 479 | FILT_1 MOD3OFS POT | 18 | 26 | ON | 0 | -65534 to 65534 |
| 480 | FILT_1 MOD1SCL POT | 18 | 27 | ON | 0 | -32767 to 32767 |
| 481 | FILT_1 MOD2SCL POT | 18 | 28 | ON | 0 | -32767 to 32767 |
| 482 | FILT_1 MOD3SCL POT | 18 | 29 | ON | 0 | -32767 to 32767 |
| 483 | FILT_1 MOD1ENA POT | 18 | 30 | ON | 0 | 0 to 1 |
| 484 | FILT_1 MOD2ENA POT | 18 | 31 | ON | 0 | 0 to 1 |
| 485 | FILT_1 MOD3ENA POT | 18 | 32 | ON | 0 | 0 to 1 |
| 486 | FILT_1 FILTERBYPASS SWITCH | 18 | 33 | ON | 0 | any |
| 487 | FILT_2 FREQUENCY POT | 19 | 0 | ON | 0 | 0 to 65535 |
| 488 | FILT_2 RESONANCE POT | 19 | 1 | ON | 0 | 0 to 32768 |
| 489 | FILT_2 KEYTRACK POT | 19 | 2 | ON | 16384 | 0 to 32767 |
| 490 | FILT_2 ENV2AMOUNT POT | 19 | 3 | ON | 0 | 0 to 32768 |
| 491 | FILT_2 INPUT_POT POT | 19 | 4 | ON | 0 | 0 to 3 |
| 492 | FILT_2 KEYTRK_LVL_POT POT | 19 | 5 | ON | 16384 | -32767 to 32767 |
| 493 | FILT_2 KEYTRK_OFS_POT POT | 19 | 6 | ON | 0 | -127 to 127 |
| 494 | FILT_2 ENV2_LVL_POT POT | 19 | 7 | ON | 0 | 0 to 32767 |
| 495 | FILT_2 ENV2_OFS_POT POT | 19 | 8 | ON | 0 | -65534 to 65534 |
| 496 | FILT_2 CV_ROUTE POT | 19 | 9 | ON | 0 | 0 to 3 |
| 497 | FILT_2 VIEWBUTTON SWITCH | 19 | 10 | OFF | 0 | any |
| 498 | FILT_2 MOD1BUTTON SWITCH | 19 | 11 | ON | 0 | any |
| 499 | FILT_2 MOD2BUTTON SWITCH | 19 | 12 | ON | 0 | any |
| 500 | FILT_2 MOD3BUTTON SWITCH | 19 | 13 | ON | 0 | any |
| 501 | FILT_2 FILT2TAB SWITCH | 19 | 14 | OFF | 0 | any |

| | | | | | | |
|-----|-----------------------------------|----|----|-----|-------|-----------------|
| 502 | FILT_2 MOD1TAB SWITCH | 19 | 15 | ON | 0 | any |
| 503 | FILT_2 MOD2TAB SWITCH | 19 | 16 | ON | 0 | any |
| 504 | FILT_2 MOD3TAB SWITCH | 19 | 17 | ON | 0 | any |
| 505 | FILT_2 MOD1SRC POT | 19 | 18 | ON | 1 | 1 to 79 |
| 506 | FILT_2 MOD2SRC POT | 19 | 19 | ON | 1 | 1 to 79 |
| 507 | FILT_2 MOD3SRC POT | 19 | 20 | ON | 1 | 1 to 79 |
| 508 | FILT_2 MOD1DST POT | 19 | 21 | ON | 0 | 0 to 1 |
| 509 | FILT_2 MOD2DST POT | 19 | 22 | ON | 0 | 0 to 1 |
| 510 | FILT_2 MOD3DST POT | 19 | 23 | ON | 0 | 0 to 1 |
| 511 | FILT_2 MOD1OFS POT | 19 | 24 | ON | 0 | -65534 to 65534 |
| 512 | FILT_2 MOD2OFS POT | 19 | 25 | ON | 0 | -65534 to 65534 |
| 513 | FILT_2 MOD3OFS POT | 19 | 26 | ON | 0 | -65534 to 65534 |
| 514 | FILT_2 MOD1SCL POT | 19 | 27 | ON | 0 | -32767 to 32767 |
| 515 | FILT_2 MOD2SCL POT | 19 | 28 | ON | 0 | -32767 to 32767 |
| 516 | FILT_2 MOD3SCL POT | 19 | 29 | ON | 0 | -32767 to 32767 |
| 517 | FILT_2 MOD1ENA POT | 19 | 30 | ON | 0 | 0 to 1 |
| 518 | FILT_2 MOD2ENA POT | 19 | 31 | ON | 0 | 0 to 1 |
| 519 | FILT_2 MOD3ENA POT | 19 | 32 | ON | 0 | 0 to 1 |
| 520 | FILT_2 LOPASSINPUT SWITCH | 19 | 33 | ON | 0 | any |
| 521 | POST_FILT FILT1LPLEVEL POT | 20 | 0 | ON | 16384 | 0 to 32768 |
| 522 | POST_FILT FILT1HPLEVEL POT | 20 | 1 | ON | 16384 | 0 to 32768 |
| 523 | POST_FILT FILT1BPLEVEL POT | 20 | 2 | ON | 16384 | 0 to 32768 |
| 524 | POST_FILT FILT2LPLEVEL POT | 20 | 3 | ON | 16384 | 0 to 32768 |
| 525 | POST_FILT PREFILTERLEVEL POT | 20 | 4 | ON | 16384 | 0 to 32768 |
| 526 | POST_FILT F1_MIX_POT POT | 20 | 5 | ON | 0 | -65534 to 65534 |
| 527 | POST_FILT F1_LP_POT POT | 20 | 6 | ON | 16384 | 0 to 32768 |
| 528 | POST_FILT F1_HP_POT POT | 20 | 7 | ON | 16384 | 0 to 32768 |
| 529 | POST_FILT F1_BP_POT POT | 20 | 8 | ON | 16384 | 0 to 32768 |
| 530 | POST_FILT F1_BPINV_POT POT | 20 | 9 | ON | 0 | 0 to 1 |
| 531 | POST_FILT F2_LP_POT POT | 20 | 10 | ON | 16384 | 0 to 32768 |
| 532 | POST_FILT PREFILT_POT POT | 20 | 11 | ON | 16384 | 0 to 32768 |
| 533 | POST_FILT SRMSRC_POT POT | 20 | 12 | ON | 16384 | 0 to 7 |
| 534 | POST_FILT FILT1LPMODBUTTON SWITCH | 20 | 13 | ON | 0 | any |
| 535 | POST_FILT FILT1HPMODBUTTON SWITCH | 20 | 14 | ON | 0 | any |
| 536 | POST_FILT FILT1BPMODBUTTON SWITCH | 20 | 15 | ON | 0 | any |
| 537 | POST_FILT FILT2LPMODBUTTON SWITCH | 20 | 16 | ON | 0 | any |
| 538 | POST_FILT PREFILTMODBUTTON SWITCH | 20 | 17 | ON | 0 | any |
| 539 | POST_FILT MIXTAB SWITCH | 20 | 18 | OFF | 0 | any |
| 540 | POST_FILT F1LP_MOD_TAB SWITCH | 20 | 19 | ON | 0 | any |
| 541 | POST_FILT F1HP_MOD_TAB SWITCH | 20 | 20 | ON | 0 | any |
| 542 | POST_FILT F1BP_MOD_TAB SWITCH | 20 | 21 | ON | 0 | any |
| 543 | POST_FILT F1MIX_MOD_TAB SWITCH | 20 | 22 | ON | 0 | any |
| 544 | POST_FILT F2LP_MOD_TAB SWITCH | 20 | 23 | ON | 0 | any |
| 545 | POST_FILT SRM_MOD_TAB SWITCH | 20 | 24 | ON | 0 | any |
| 546 | POST_FILT F1_LPMODSRC POT | 20 | 25 | ON | 1 | 1 to 79 |
| 547 | POST_FILT F1_HPMODSRC POT | 20 | 26 | ON | 1 | 1 to 79 |
| 548 | POST_FILT F1_BPMODSRC POT | 20 | 27 | ON | 1 | 1 to 79 |
| 549 | POST_FILT F1_MIXMODSRC POT | 20 | 28 | ON | 1 | 1 to 79 |
| 550 | POST_FILT F2_LPMODSRC POT | 20 | 29 | ON | 1 | 1 to 79 |
| 551 | POST_FILT F1_SRMMODSRC POT | 20 | 30 | ON | 1 | 1 to 79 |
| 552 | POST_FILT F1_LPMODSCL POT | 20 | 31 | ON | 0 | -32767 to 32767 |

| | | | | | | |
|-----|---------------------------------|----|----|-----|-------|-----------------|
| 553 | POST_FILT F1_HPMODSCL POT | 20 | 32 | ON | 0 | -32767 to 32767 |
| 554 | POST_FILT F1_BPMODSCL POT | 20 | 33 | ON | 0 | -32767 to 32767 |
| 555 | POST_FILT F1_MIXMODSCL POT | 20 | 34 | ON | 0 | -32767 to 32767 |
| 556 | POST_FILT F2_LPMODSCL POT | 20 | 35 | ON | 0 | -32767 to 32767 |
| 557 | POST_FILT F1_SRMMODSCL POT | 20 | 36 | ON | 0 | -32767 to 32767 |
| 558 | POST_FILT F1_LPMODOFS POT | 20 | 37 | ON | 0 | -65534 to 65534 |
| 559 | POST_FILT F1_HPMODOFS POT | 20 | 38 | ON | 0 | -65534 to 65534 |
| 560 | POST_FILT F1_BPMODOFS POT | 20 | 39 | ON | 0 | -65534 to 65534 |
| 561 | POST_FILT F1_MIXMODOFS POT | 20 | 40 | ON | 0 | -65534 to 65534 |
| 562 | POST_FILT F2_LPMODOFS POT | 20 | 41 | ON | 0 | -65534 to 65534 |
| 563 | POST_FILT F1_SRMMODOFS POT | 20 | 42 | ON | 0 | -65534 to 65534 |
| 564 | POST_FILT F1_LPMODENA POT | 20 | 43 | ON | 0 | 0 to 1 |
| 565 | POST_FILT F1_HPMODENA POT | 20 | 44 | ON | 0 | 0 to 1 |
| 566 | POST_FILT F1_BPMODENA POT | 20 | 45 | ON | 0 | 0 to 1 |
| 567 | POST_FILT F1_MIXMODENA POT | 20 | 46 | ON | 0 | 0 to 1 |
| 568 | POST_FILT F2_LPMODENA POT | 20 | 47 | ON | 0 | 0 to 1 |
| 569 | POST_FILT F1_SRMMODENA POT | 20 | 48 | ON | 0 | 0 to 1 |
| 570 | POST_FILT FILT1BPINVERT SWITCH | 20 | 49 | ON | 0 | 0 to 1 |
| 571 | POST_FILT OSC1SIN_BUTTON SWITCH | 20 | 50 | ON | 0 | 0 to 1 |
| 572 | POST_FILT OSC2SIN_BUTTON SWITCH | 20 | 51 | ON | 0 | 0 to 1 |
| 573 | POST_FILT RINGMOD_BUTTON SWITCH | 20 | 52 | ON | 0 | 0 to 1 |
| 574 | POST_FILT VIEWSW SWITCH | 20 | 53 | OFF | 0 | any |
| 575 | ENV_1 DELAYTIME POT | 21 | 0 | ON | 0 | 0 to 65535 |
| 576 | ENV_1 ATTACKTIME POT | 21 | 1 | ON | 1 | 1 to 65535 |
| 577 | ENV_1 DECAY1TIME POT | 21 | 2 | ON | 0 | 0 to 65535 |
| 578 | ENV_1 DECAY2TIME POT | 21 | 3 | ON | 0 | 0 to 65535 |
| 579 | ENV_1 RELEASE1TIME POT | 21 | 4 | ON | 0 | 0 to 65535 |
| 580 | ENV_1 RELEASE2TIME POT | 21 | 5 | ON | 1 | 1 to 65535 |
| 581 | ENV_1 SHAPE POT | 21 | 6 | ON | 0 | 0 to 8 |
| 582 | ENV_1 D2LEVEL POT | 21 | 7 | ON | 32768 | 0 to 65535 |
| 583 | ENV_1 SUSTAINLEVEL POT | 21 | 8 | ON | 32768 | 0 to 65535 |
| 584 | ENV_1 R2LEVEL POT | 21 | 9 | ON | 32768 | 0 to 65535 |
| 585 | ENV_1 ENVOFFSET POT | 21 | 10 | ON | 0 | -65534 to 65534 |
| 586 | ENV_1 ENVLEVEL POT | 21 | 11 | ON | 0 | 0 to 65535 |
| 587 | ENV_1 ENVPOL POT | 21 | 12 | ON | 0 | -1 to 1 |
| 588 | ENV_1 VIEWBUTTON SWITCH | 21 | 13 | OFF | 0 | any |
| 589 | ENV_1 VIEWENVTIMETAB SWITCH | 21 | 14 | OFF | 0 | any |
| 590 | ENV_1 VIEWENVLEVELTAB SWITCH | 21 | 15 | OFF | 0 | any |
| 591 | ENV_1 VIEWENVLOOPTAB SWITCH | 21 | 16 | OFF | 0 | any |
| 592 | ENV_1 DELAYBUTTON SWITCH | 21 | 17 | OFF | 0 | any |
| 593 | ENV_1 TRIGGERBUTTON SWITCH | 21 | 18 | ON | 0 | any |
| 594 | ENV_1 MOD1BUTTON SWITCH | 21 | 19 | ON | 0 | any |
| 595 | ENV_1 MOD2BUTTON SWITCH | 21 | 20 | ON | 0 | any |
| 596 | ENV_1 MOD3BUTTON SWITCH | 21 | 21 | ON | 0 | any |
| 597 | ENV_1 DYNAMICSBUTTON SWITCH | 21 | 22 | OFF | 0 | any |
| 598 | ENV_1 LOOPBUTTON SWITCH | 21 | 23 | ON | 0 | any |
| 599 | ENV_1 ENVMODE POT | 21 | 24 | ON | 0 | 0 to 6 |
| 600 | ENV_1 TRIG_SRC POT | 21 | 25 | ON | 1 | 1 to 79 |
| 601 | ENV_1 TRIG_INLVL POT | 21 | 26 | ON | 0 | -65534 to 65534 |
| 602 | ENV_1 TRIG_POL POT | 21 | 27 | ON | 0 | 0 to 5 |
| 603 | ENV_1 TRIG_ENA POT | 21 | 28 | ON | 0 | 0 to 1 |

| | | | | | | |
|-----|------------------------------|----|----|-----|-------|-----------------|
| 604 | ENV_1 RETRIG_SRC POT | 21 | 29 | ON | 1 | 1 to 79 |
| 605 | ENV_1 RETRIG_STAGE POT | 21 | 30 | ON | 0 | 1 to 6 |
| 606 | ENV_1 RETRIG_LVL POT | 21 | 31 | ON | 0 | -65534 to 65534 |
| 607 | ENV_1 RETRIG_POL POT | 21 | 32 | ON | 0 | 0 to 5 |
| 608 | ENV_1 RETRIG_ENA POT | 21 | 33 | ON | 0 | 0 to 1 |
| 609 | ENV_1 TRIGPAGE_SEL POT | 21 | 34 | ON | 0 | any |
| 610 | ENV_1 LOOP_START POT | 21 | 35 | ON | 0 | 1 to 5 |
| 611 | ENV_1 LOOP_END POT | 21 | 36 | ON | 0 | 2 to 6 |
| 612 | ENV_1 LOOP_COUNT POT | 21 | 37 | ON | 0 | 1 to 255 |
| 613 | ENV_1 LOOP_TYPE POT | 21 | 38 | ON | 0 | -1 to 1 |
| 614 | ENV_1 LOOP_SMTIME POT | 21 | 39 | ON | 0 | 1 to 65535 |
| 615 | ENV_1 LOOP_SMSHAPE POT | 21 | 40 | ON | 0 | 0 to 8 |
| 616 | ENV_1 LOOP_MIDISYNC POT | 21 | 41 | ON | 0 | any |
| 617 | ENV_1 DYN_RESET POT | 21 | 42 | ON | 0 | 0 to 3 |
| 618 | ENV_1 DYN_SUSPDL POT | 21 | 43 | ON | 0 | 0 to 1 |
| 619 | ENV_1 DYN_KEYTRK POT | 21 | 44 | ON | 0 | -65534 to 65534 |
| 620 | ENV_1 DYN_KTRK_BASEKEY POT | 21 | 45 | ON | 0 | 0 to 127 |
| 621 | ENV_1 DYN_LVLTRK POT | 21 | 46 | ON | 0 | -65534 to 65534 |
| 622 | ENV_1 DYN_VELMOD POT | 21 | 47 | ON | 0 | -65534 to 65534 |
| 623 | ENV_1 DYN_RELMOD POT | 21 | 48 | ON | 0 | -65534 to 65534 |
| 624 | ENV_1 MOD1ENABLE POT | 21 | 49 | ON | 0 | 0 to 1 |
| 625 | ENV_1 MOD2ENABLE POT | 21 | 50 | ON | 0 | 0 to 1 |
| 626 | ENV_1 MOD3ENABLE POT | 21 | 51 | ON | 0 | 0 to 1 |
| 627 | ENV_1 MOD1SOURCE POT | 21 | 52 | ON | 1 | 1 to 79 |
| 628 | ENV_1 MOD2SOURCE POT | 21 | 53 | ON | 1 | 1 to 79 |
| 629 | ENV_1 MOD3SOURCE POT | 21 | 54 | ON | 1 | 1 to 79 |
| 630 | ENV_1 MOD1DEST POT | 21 | 55 | ON | 0 | 0 to 7 |
| 631 | ENV_1 MOD2DEST POT | 21 | 56 | ON | 0 | 0 to 7 |
| 632 | ENV_1 MOD3DEST POT | 21 | 57 | ON | 0 | 0 to 7 |
| 633 | ENV_1 MOD1OFFSET POT | 21 | 58 | ON | 0 | -65534 to 65534 |
| 634 | ENV_1 MOD2OFFSET POT | 21 | 59 | ON | 0 | -65534 to 65534 |
| 635 | ENV_1 MOD3OFFSET POT | 21 | 60 | ON | 0 | -65534 to 65534 |
| 636 | ENV_1 MOD1SCALE POT | 21 | 61 | ON | 0 | -32767 to 32767 |
| 637 | ENV_1 MOD2SCALE POT | 21 | 62 | ON | 0 | -32767 to 32767 |
| 638 | ENV_1 MOD3SCALE POT | 21 | 63 | ON | 0 | -32767 to 32767 |
| 639 | ENV_2 DELAYTIME POT | 22 | 0 | ON | 0 | 0 to 65535 |
| 640 | ENV_2 ATTACKTIME POT | 22 | 1 | ON | 1 | 1 to 65535 |
| 641 | ENV_2 DECAY1TIME POT | 22 | 2 | ON | 0 | 0 to 65535 |
| 642 | ENV_2 DECAY2TIME POT | 22 | 3 | ON | 0 | 0 to 65535 |
| 643 | ENV_2 RELEASE1TIME POT | 22 | 4 | ON | 0 | 0 to 65535 |
| 644 | ENV_2 RELEASE2TIME POT | 22 | 5 | ON | 1 | 1 to 65535 |
| 645 | ENV_2 SHAPE POT | 22 | 6 | ON | 0 | 0 to 8 |
| 646 | ENV_2 D2LEVEL POT | 22 | 7 | ON | 32768 | 0 to 65535 |
| 647 | ENV_2 SUSTAINLEVEL POT | 22 | 8 | ON | 32768 | 0 to 65535 |
| 648 | ENV_2 R2LEVEL POT | 22 | 9 | ON | 32768 | 0 to 65535 |
| 649 | ENV_2 ENVOFFSET POT | 22 | 10 | ON | 0 | -65534 to 65534 |
| 650 | ENV_2 ENVLEVEL POT | 22 | 11 | ON | 0 | 0 to 65535 |
| 651 | ENV_2 ENVPOL POT | 22 | 12 | ON | 0 | -1 to 1 |
| 652 | ENV_2 VIEWBUTTON SWITCH | 22 | 13 | OFF | 0 | any |
| 653 | ENV_2 VIEWENVTIMETAB SWITCH | 22 | 14 | OFF | 0 | any |
| 654 | ENV_2 VIEWENVLEVELTAB SWITCH | 22 | 15 | OFF | 0 | any |

| | | | | | | |
|-----|-----------------------------|----|----|-----|---|-----------------|
| 655 | ENV_2 VIEWENVLOOPTAB SWITCH | 22 | 16 | OFF | 0 | any |
| 656 | ENV_2 DELAYBUTTON SWITCH | 22 | 17 | OFF | 0 | any |
| 657 | ENV_2 TRIGGERBUTTON SWITCH | 22 | 18 | ON | 0 | any |
| 658 | ENV_2 MOD1BUTTON SWITCH | 22 | 19 | ON | 0 | any |
| 659 | ENV_2 MOD2BUTTON SWITCH | 22 | 20 | ON | 0 | any |
| 660 | ENV_2 MOD3BUTTON SWITCH | 22 | 21 | ON | 0 | any |
| 661 | ENV_2 DYNAMICSBUTTON SWITCH | 22 | 22 | OFF | 0 | any |
| 662 | ENV_2 LOOPBUTTON SWITCH | 22 | 23 | ON | 0 | any |
| 663 | ENV_2 ENVMODE POT | 22 | 24 | ON | 0 | 0 to 6 |
| 664 | ENV_2 TRIG_SRC POT | 22 | 25 | ON | 1 | 1 to 79 |
| 665 | ENV_2 TRIG_INLVL POT | 22 | 26 | ON | 0 | -65534 to 65534 |
| 666 | ENV_2 TRIG_POL POT | 22 | 27 | ON | 0 | 0 to 5 |
| 667 | ENV_2 TRIG_ENA POT | 22 | 28 | ON | 0 | 0 to 1 |
| 668 | ENV_2 RETRIG_SRC POT | 22 | 29 | ON | 1 | 1 to 79 |
| 669 | ENV_2 RETRIG_STAGE POT | 22 | 30 | ON | 0 | 1 to 6 |
| 670 | ENV_2 RETRIG_LVL POT | 22 | 31 | ON | 0 | -65534 to 65534 |
| 671 | ENV_2 RETRIG_POL POT | 22 | 32 | ON | 0 | 0 to 5 |
| 672 | ENV_2 RETRIG_ENA POT | 22 | 33 | ON | 0 | 0 to 1 |
| 673 | ENV_2 TRIGPAGE_SEL POT | 22 | 34 | ON | 0 | any |
| 674 | ENV_2 LOOP_START POT | 22 | 35 | ON | 0 | 1 to 5 |
| 675 | ENV_2 LOOP_END POT | 22 | 36 | ON | 0 | 2 to 6 |
| 676 | ENV_2 LOOP_COUNT POT | 22 | 37 | ON | 0 | 1 to 255 |
| 677 | ENV_2 LOOP_TYPE POT | 22 | 38 | ON | 0 | -1 to 1 |
| 678 | ENV_2 LOOP_SMTIME POT | 22 | 39 | ON | 0 | 1 to 65535 |
| 679 | ENV_2 LOOP_SMSHAPE POT | 22 | 40 | ON | 0 | 0 to 8 |
| 680 | ENV_2 LOOP_MIDISYNC POT | 22 | 41 | ON | 0 | any |
| 681 | ENV_2 DYN_RESET POT | 22 | 42 | ON | 0 | 0 to 3 |
| 682 | ENV_2 DYN_SUSPDL POT | 22 | 43 | ON | 0 | 0 to 1 |
| 683 | ENV_2 DYN_KEYTRK POT | 22 | 44 | ON | 0 | -65534 to 65534 |
| 684 | ENV_2 DYN_KTRK_BASEKEY POT | 22 | 45 | ON | 0 | 0 to 127 |
| 685 | ENV_2 DYN_LVLTRK POT | 22 | 46 | ON | 0 | -65534 to 65534 |
| 686 | ENV_2 DYN_VELMOD POT | 22 | 47 | ON | 0 | -65534 to 65534 |
| 687 | ENV_2 DYN_RELMOD POT | 22 | 48 | ON | 0 | -65534 to 65534 |
| 688 | ENV_2 MOD1ENABLE POT | 22 | 49 | ON | 0 | 0 to 1 |
| 689 | ENV_2 MOD2ENABLE POT | 22 | 50 | ON | 0 | 0 to 1 |
| 690 | ENV_2 MOD3ENABLE POT | 22 | 51 | ON | 0 | 0 to 1 |
| 691 | ENV_2 MOD1SOURCE POT | 22 | 52 | ON | 1 | 1 to 79 |
| 692 | ENV_2 MOD2SOURCE POT | 22 | 53 | ON | 1 | 1 to 79 |
| 693 | ENV_2 MOD3SOURCE POT | 22 | 54 | ON | 1 | 1 to 79 |
| 694 | ENV_2 MOD1DEST POT | 22 | 55 | ON | 0 | 0 to 7 |
| 695 | ENV_2 MOD2DEST POT | 22 | 56 | ON | 0 | 0 to 7 |
| 696 | ENV_2 MOD3DEST POT | 22 | 57 | ON | 0 | 0 to 7 |
| 697 | ENV_2 MOD1OFFSET POT | 22 | 58 | ON | 0 | -65534 to 65534 |
| 698 | ENV_2 MOD2OFFSET POT | 22 | 59 | ON | 0 | -65534 to 65534 |
| 699 | ENV_2 MOD3OFFSET POT | 22 | 60 | ON | 0 | -65534 to 65534 |
| 700 | ENV_2 MOD1SCALE POT | 22 | 61 | ON | 0 | -32767 to 32767 |
| 701 | ENV_2 MOD2SCALE POT | 22 | 62 | ON | 0 | -32767 to 32767 |
| 702 | ENV_2 MOD3SCALE POT | 22 | 63 | ON | 0 | -32767 to 32767 |
| 703 | ENV_3 DELAYTIME POT | 23 | 0 | ON | 0 | 0 to 65535 |
| 704 | ENV_3 ATTACKTIME POT | 23 | 1 | ON | 1 | 1 to 65535 |
| 705 | ENV_3 DECAY1TIME POT | 23 | 2 | ON | 0 | 0 to 65535 |

| | | | | | | |
|-----|------------------------------|----|----|-----|-------|-----------------|
| 706 | ENV_3 DECAY2TIME POT | 23 | 3 | ON | 0 | 0 to 65535 |
| 707 | ENV_3 RELEASE1TIME POT | 23 | 4 | ON | 0 | 0 to 65535 |
| 708 | ENV_3 RELEASE2TIME POT | 23 | 5 | ON | 1 | 1 to 65535 |
| 709 | ENV_3 SHAPE POT | 23 | 6 | ON | 0 | 0 to 8 |
| 710 | ENV_3 D2LEVEL POT | 23 | 7 | ON | 32768 | 0 to 65535 |
| 711 | ENV_3 SUSTAINLEVEL POT | 23 | 8 | ON | 32768 | 0 to 65535 |
| 712 | ENV_3 R2LEVEL POT | 23 | 9 | ON | 32768 | 0 to 65535 |
| 713 | ENV_3 ENVOFFSET POT | 23 | 10 | ON | 0 | -65534 to 65534 |
| 714 | ENV_3 ENVLEVEL POT | 23 | 11 | ON | 0 | 0 to 65535 |
| 715 | ENV_3 ENVPOL POT | 23 | 12 | ON | 0 | any |
| 716 | ENV_3 VIEWBUTTON SWITCH | 23 | 13 | OFF | 0 | any |
| 717 | ENV_3 VIEWENVTIMETAB SWITCH | 23 | 14 | OFF | 0 | any |
| 718 | ENV_3 VIEWENVLEVELTAB SWITCH | 23 | 15 | OFF | 0 | any |
| 719 | ENV_3 VIEWENVLOOPTAB SWITCH | 23 | 16 | OFF | 0 | any |
| 720 | ENV_3 DELAYBUTTON SWITCH | 23 | 17 | OFF | 0 | any |
| 721 | ENV_3 TRIGGERBUTTON SWITCH | 23 | 18 | ON | 0 | any |
| 722 | ENV_3 MOD1BUTTON SWITCH | 23 | 19 | ON | 0 | any |
| 723 | ENV_3 MOD2BUTTON SWITCH | 23 | 20 | ON | 0 | any |
| 724 | ENV_3 MOD3BUTTON SWITCH | 23 | 21 | ON | 0 | any |
| 725 | ENV_3 DYNAMICSBUTTON SWITCH | 23 | 22 | OFF | 0 | any |
| 726 | ENV_3 LOOPBUTTON SWITCH | 23 | 23 | ON | 0 | any |
| 727 | ENV_3 ENVMODE POT | 23 | 24 | ON | 0 | 0 to 6 |
| 728 | ENV_3 TRIG_SRC POT | 23 | 25 | ON | 1 | 1 to 79 |
| 729 | ENV_3 TRIG_INLVL POT | 23 | 26 | ON | 0 | -65534 to 65534 |
| 730 | ENV_3 TRIG_POL POT | 23 | 27 | ON | 0 | 0 to 5 |
| 731 | ENV_3 TRIG_ENA POT | 23 | 28 | ON | 0 | 0 to 1 |
| 732 | ENV_3 RETRIG_SRC POT | 23 | 29 | ON | 1 | 1 to 79 |
| 733 | ENV_3 RETRIG_STAGE POT | 23 | 30 | ON | 0 | 1 to 6 |
| 734 | ENV_3 RETRIG_LVL POT | 23 | 31 | ON | 0 | -65534 to 65534 |
| 735 | ENV_3 RETRIG_POL POT | 23 | 32 | ON | 0 | 0 to 5 |
| 736 | ENV_3 RETRIG_ENA POT | 23 | 33 | ON | 0 | 0 to 1 |
| 737 | ENV_3 TRIGPAGE_SEL POT | 23 | 34 | ON | 0 | any |
| 738 | ENV_3 LOOP_START POT | 23 | 35 | ON | 0 | 1 to 5 |
| 739 | ENV_3 LOOP_END POT | 23 | 36 | ON | 0 | 2 to 6 |
| 740 | ENV_3 LOOP_COUNT POT | 23 | 37 | ON | 0 | 1 to 255 |
| 741 | ENV_3 LOOP_TYPE POT | 23 | 38 | ON | 0 | -1 to 1 |
| 742 | ENV_3 LOOP_SMTIME POT | 23 | 39 | ON | 0 | 1 to 65535 |
| 743 | ENV_3 LOOP_SMSHAPE POT | 23 | 40 | ON | 0 | 0 to 8 |
| 744 | ENV_3 LOOP_MIDISYNC POT | 23 | 41 | ON | 0 | any |
| 745 | ENV_3 DYN_RESET POT | 23 | 42 | ON | 0 | 0 to 3 |
| 746 | ENV_3 DYN_SUSPDL POT | 23 | 43 | ON | 0 | 0 to 1 |
| 747 | ENV_3 DYN_KEYTRK POT | 23 | 44 | ON | 0 | -65534 to 65534 |
| 748 | ENV_3 DYN_KTRK_BASEKEY POT | 23 | 45 | ON | 0 | 0 to 127 |
| 749 | ENV_3 DYN_LVLTRK POT | 23 | 46 | ON | 0 | -65534 to 65534 |
| 750 | ENV_3 DYN_VELMOD POT | 23 | 47 | ON | 0 | -65534 to 65534 |
| 751 | ENV_3 DYN_RELMOD POT | 23 | 48 | ON | 0 | -65534 to 65534 |
| 752 | ENV_3 MOD1ENABLE POT | 23 | 49 | ON | 0 | 0 to 1 |
| 753 | ENV_3 MOD2ENABLE POT | 23 | 50 | ON | 0 | 0 to 1 |
| 754 | ENV_3 MOD3ENABLE POT | 23 | 51 | ON | 0 | 0 to 1 |
| 755 | ENV_3 MOD1SOURCE POT | 23 | 52 | ON | 1 | 1 to 79 |
| 756 | ENV_3 MOD2SOURCE POT | 23 | 53 | ON | 1 | 1 to 79 |

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|-----|-------------------------------|----|----|-----|-------|-----------------|
| 757 | ENV_3 MOD3SOURCE POT | 23 | 54 | ON | 1 | 1 to 79 |
| 758 | ENV_3 MOD1DEST POT | 23 | 55 | ON | 0 | 0 to 7 |
| 759 | ENV_3 MOD2DEST POT | 23 | 56 | ON | 0 | 0 to 7 |
| 760 | ENV_3 MOD3DEST POT | 23 | 57 | ON | 0 | 0 to 7 |
| 761 | ENV_3 MOD1OFFSET POT | 23 | 58 | ON | 0 | -65534 to 65534 |
| 762 | ENV_3 MOD2OFFSET POT | 23 | 59 | ON | 0 | -65534 to 65534 |
| 763 | ENV_3 MOD3OFFSET POT | 23 | 60 | ON | 0 | -65534 to 65534 |
| 764 | ENV_3 MOD1SCALE POT | 23 | 61 | ON | 0 | -32767 to 32767 |
| 765 | ENV_3 MOD2SCALE POT | 23 | 62 | ON | 0 | -32767 to 32767 |
| 766 | ENV_3 MOD3SCALE POT | 23 | 63 | ON | 0 | -32767 to 32767 |
| 767 | VMIX VOICELEVEL POT | 24 | 0 | ON | 16384 | 0 to 32768 |
| 768 | VMIX VOICEPAN POT | 24 | 1 | ON | 32768 | 0 to 65535 |
| 769 | VMIX VMIX_TAB SWITCH | 24 | 2 | OFF | 0 | any |
| 770 | VMIX OUTPUTSELECT SWITCH | 24 | 3 | ON | 0 | any |
| 771 | VMIX MODBUTTON SWITCH | 24 | 4 | ON | 0 | any |
| 772 | VMIX VOICEOUTONOFF SWITCH | 24 | 5 | ON | 0 | any |
| 773 | VMIX OUTSEL_POT POT | 24 | 6 | ON | 1 | 0 to 2 |
| 774 | VMIX VOXOUT_POT POT | 24 | 7 | ON | 0 | 0 to 1 |
| 775 | VMIX MODSOURCE POT | 24 | 8 | ON | 1 | 1 to 79 |
| 776 | VMIX MODDEST POT | 24 | 9 | ON | 0 | 0 to 1 |
| 777 | VMIX MODOFFSET POT | 24 | 10 | ON | 0 | -65534 to 65534 |
| 778 | VMIX MODSCALE POT | 24 | 11 | ON | 0 | -32767 to 32767 |
| 779 | VMIX MODEENABLE POT | 24 | 12 | ON | 0 | 0 to 1 |
| 780 | PROG_MODE PROGBUTTON SWITCH | 2 | 0 | OFF | 0 | any |
| 781 | PROG_MODE TAB_PROG SWITCH | 2 | 1 | OFF | 0 | any |
| 782 | PROG_MODE TAB_DIR SWITCH | 2 | 2 | OFF | 0 | any |
| 783 | PROG_MODE TAB_PERF SWITCH | 2 | 3 | OFF | 0 | any |
| 784 | PROG_MODE TAB_SPERF SWITCH | 2 | 4 | OFF | 0 | any |
| 785 | PROG_MODE BANKSELECT POT | 2 | 5 | OFF | 0 | 0 to 14 |
| 786 | PROG_MODE PROGSELECT POT | 2 | 6 | OFF | 0 | 0 to 127 |
| 787 | PROG_MODE DEFAULT POT | 2 | 7 | OFF | 0 | any |
| 788 | STORE_MODE STOREBUTTON SWITCH | 3 | 0 | OFF | 0 | any |
| 789 | STORE_MODE TAB_PROG SWITCH | 3 | 1 | OFF | 0 | any |
| 790 | STORE_MODE TAB_DIR SWITCH | 3 | 2 | OFF | 0 | any |
| 791 | STORE_MODE DIRCOPY POT | 3 | 3 | OFF | 0 | any |
| 792 | STORE_MODE DIRCOPY_TO POT | 3 | 4 | OFF | 0 | any |
| 793 | STORE_MODE TAB_COPY SWITCH | 3 | 5 | OFF | 0 | any |
| 794 | STORE_MODE COPY_TYPE POT | 3 | 6 | OFF | 0 | 0 to 6 |
| 795 | STORE_MODE COPY_SRCBANK POT | 3 | 7 | OFF | 0 | 0 to 14 |
| 796 | STORE_MODE COPY_SRCNUM POT | 3 | 8 | OFF | 0 | 0 to 127 |
| 797 | STORE_MODE COPY_SRCMIXCH POT | 3 | 9 | OFF | 0 | 0 to 15 |
| 798 | STORE_MODE COPY_DSTBANK POT | 3 | 10 | OFF | 0 | 0 to 14 |
| 799 | STORE_MODE COPY_DSTMIXCH POT | 3 | 11 | OFF | 0 | 0 to 15 |
| 800 | STORE_MODE COPY_DSTBUF POT | 3 | 12 | OFF | 0 | 0 to 1 |
| 801 | STORE_MODE COPY_BLANK2 POT | 3 | 13 | OFF | 0 | any |
| 802 | STORE_MODE TAB_INIT SWITCH | 3 | 14 | OFF | 0 | any |
| 803 | STORE_MODE TAB_CARD SWITCH | 3 | 15 | OFF | 0 | any |
| 804 | STORE_MODE CARD_INIT POT | 3 | 16 | OFF | 0 | any |
| 805 | STORE_MODE TAB_SYSEX SWITCH | 3 | 17 | OFF | 0 | any |
| 806 | STORE_MODE TAB_BLANK SWITCH | 3 | 18 | OFF | 0 | any |
| 807 | STORE_MODE TAB_NAME SWITCH | 3 | 19 | OFF | 0 | any |

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|-----|--------------------------------|---|----|-----|-------|-------------|
| 808 | STORE_MODE BANKSELECT POT | 3 | 20 | OFF | 0 | 0 to 2 |
| 809 | STORE_MODE PROGSELECT POT | 3 | 21 | OFF | 0 | 0 to 127 |
| 810 | STORE_MODE RECIEVE_TO POT | 3 | 22 | OFF | 2 | 0 to 2 |
| 811 | STORE_MODE DUMPALL POT | 3 | 23 | OFF | 1 | 0 to 1 |
| 812 | STORE_MODE POT_INIT_PROG POT | 3 | 24 | OFF | 0 | any |
| 813 | STORE_MODE POT_INIT_MIX POT | 3 | 25 | OFF | 0 | any |
| 814 | STORE_MODE NAME_NUMBER POT | 3 | 26 | OFF | 0 | 0 to 9 |
| 815 | STORE_MODE NAME_UPPER POT | 3 | 27 | OFF | 0 | 0 to 25 |
| 816 | STORE_MODE NAME_LOWER POT | 3 | 28 | OFF | 0 | 0 to 25 |
| 817 | STORE_MODE NAME_SPECIAL POT | 3 | 29 | OFF | 0 | 0 to 90 |
| 818 | STORE_MODE NAME_CHARSEL POT | 3 | 30 | OFF | 0 | 0 to 15 |
| 819 | STORE_MODE NAME_NAMESEL POT | 3 | 31 | OFF | 0 | 0 to 89 |
| 820 | MIX_MODE MIX_MIX_TAB SWITCH | 1 | 0 | OFF | 0 | any |
| 821 | MIX_MODE BANKSELECT POT | 1 | 1 | OFF | 0 | 0 to 13 |
| 822 | MIX_MODE PROGSELECT POT | 1 | 2 | OFF | 0 | 0 to 127 |
| 823 | MIX_MODE MIX_DIR_TAB SWITCH | 1 | 3 | OFF | 0 | any |
| 824 | MIX_MODE MIX_PERF_TAB SWITCH | 1 | 4 | OFF | 0 | any |
| 825 | MIX_MODE MIX_SPERF_TAB SWITCH | 1 | 5 | OFF | 0 | any |
| 826 | MIX_MODE MIX_KBD_TAB SWITCH | 1 | 6 | OFF | 0 | any |
| 827 | MIX_MODE KBD_KBDHI POT | 1 | 7 | OFF | 127 | 0 to 127 |
| 828 | MIX_MODE KBD_KBDLO POT | 1 | 8 | OFF | 0 | 0 to 127 |
| 829 | MIX_MODE KBD_KBDCTL POT | 1 | 9 | OFF | 0 | 0 to 1 |
| 830 | MIX_MODE KBD_ENABLE POT | 1 | 10 | OFF | 0 | 0 to 1 |
| 831 | MIX_MODE MIX_PROGXX_TAB SWITCH | 1 | 11 | OFF | 0 | any |
| 832 | MIX_MODE PROGXX_LVL POT | 1 | 12 | ON | 16384 | 0 to 32767 |
| 833 | MIX_MODE PROGXX_PAN POT | 1 | 13 | ON | 32768 | 0 to 65535 |
| 834 | MIX_MODE PROGXX_OUT POT | 1 | 14 | ON | 0 | 0 to 2 |
| 835 | MIX_MODE PROGXX_SEMI POT | 1 | 15 | ON | 0 | -60 to 60 |
| 836 | MIX_MODE PROGXX_CENTS POT | 1 | 16 | ON | 0 | -100 to 100 |
| 837 | (not used) | | | | | |
| 838 | MIX_MODE PROGXX_MIDICH POT | 1 | 18 | OFF | 0 | 0 to 15 |
| 839 | (not used) | | | | | |
| 840 | (not used) | | | | | |
| 841 | MIX_MODE MIX_CNTLXX_TAB SWITCH | 1 | 21 | OFF | 0 | any |
| 842 | MIX_MODE CNTLXX_POT1 POT | 1 | 22 | OFF | 0 | 0 to 1 |
| 843 | MIX_MODE CNTLXX_POT2 POT | 1 | 23 | OFF | 0 | 0 to 1 |
| 844 | MIX_MODE CNTLXX_POT3 POT | 1 | 24 | OFF | 0 | 0 to 1 |
| 845 | MIX_MODE CNTLXX_POT4 POT | 1 | 25 | OFF | 0 | 0 to 1 |
| 846 | MIX_MODE CNTLXX_POT5 POT | 1 | 26 | OFF | 0 | 0 to 1 |
| 847 | MIX_MODE CNTLXX_POT6 POT | 1 | 27 | OFF | 0 | 0 to 1 |
| 848 | MIX_MODE CNTLXX_POT7 POT | 1 | 28 | OFF | 0 | 0 to 1 |
| 849 | MIX_MODE CNTLXX_POT8 POT | 1 | 29 | OFF | 0 | 0 to 1 |
| 850 | MIX_MODE MIX_CHN_EN_POT POT | 1 | 30 | OFF | 0 | any |
| 851 | MIX_MODE SOLO_TAB SWITCH | 1 | 31 | OFF | 0 | any |
| 852 | GLOBPG GLOBAL_BUTTON SWITCH | 4 | 0 | OFF | 0 | any |
| 853 | GLOBPG KBD_TAB SWITCH | 4 | 1 | OFF | 0 | 0 to 1 |
| 854 | GLOBPG KBD_TRANSP POT | 4 | 2 | OFF | 0 | -24 to 24 |
| 855 | GLOBPG KBD_VELCRV POT | 4 | 3 | OFF | 1 | 0 to 2 |
| 856 | GLOBPG KBD_SENS POT | 4 | 4 | OFF | 50 | 0 to 100 |
| 857 | GLOBPG KBD_MODE POT | 4 | 5 | OFF | 0 | 0 to 2 |
| 858 | GLOBPG KBD_MIDICH POT | 4 | 6 | OFF | 0 | 0 to 15 |

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|-----|--------------------------------|----|-----|-----|----|----------|
| 859 | GLOBPG KBD_AFTCH POT | 4 | 7 | OFF | 50 | 0 to 100 |
| 860 | GLOBPG KBD_VOICESTEAL POT | 4 | 8 | OFF | 1 | 0 to 1 |
| 861 | GLOBPG PEDAL_TAB SWITCH | 4 | 9 | OFF | 0 | 0 to 1 |
| 862 | GLOBPG PEDMODE POT | 4 | 10 | OFF | 0 | 0 to 3 |
| 863 | GLOBPG FSWMODE POT | 4 | 11 | OFF | 0 | 0 to 1 |
| 864 | GLOBPG MIDI_TAB SWITCH | 4 | 12 | OFF | 0 | 0 to 16 |
| 865 | GLOBPG MIDI_MIXSEL POT | 4 | 13 | OFF | 0 | 0 to 16 |
| 866 | GLOBPG MIDI_PRGSEL POT | 4 | 14 | OFF | 0 | 0 to 1 |
| 867 | GLOBPG MIDI_PRGTX POT | 4 | 15 | OFF | 1 | 0 to 1 |
| 868 | GLOBPG MIDI_BNKSEL POT | 4 | 16 | OFF | 0 | 0 to 2 |
| 869 | GLOBPG MIDI_CCTX POT | 4 | 17 | OFF | 0 | 0 to 1 |
| 870 | GLOBPG MIDI_CCRX POT | 4 | 18 | OFF | 0 | 0 to 1 |
| 871 | GLOBPG MIDI_SYXRCV POT | 4 | 19 | OFF | 0 | 0 to 1 |
| 872 | GLOBPG CCMAP_TAB SWITCH | 4 | 20 | OFF | 0 | any |
| 873 | GLOBPG FSWCC POT | 4 | 21 | OFF | 0 | 0 to 127 |
| 874 | GLOBPG RIBVAL_CC POT | 4 | 22 | OFF | 0 | 20 to 31 |
| 875 | GLOBPG RIBLEFT_CC POT | 4 | 23 | OFF | 0 | 0 to 120 |
| 876 | GLOBPG RIBRIGHT_CC POT | 4 | 24 | OFF | 0 | 0 to 120 |
| 877 | GLOBPG PEDCC POT | 4 | 25 | OFF | 7 | 0 to 120 |
| 878 | GLOBPG MIDI_CTLNUM POT | 4 | 26 | OFF | 0 | 0 to 7 |
| 879 | GLOBPG MIDI_CTLCC POT | 4 | 27 | OFF | 0 | 0 to 127 |
| 880 | GLOBPG PANEL_TAB SWITCH | 4 | 28 | OFF | 0 | 0 to 1 |
| 881 | GLOBPG PANEL_PASSTHRU POT | 4 | 29 | OFF | 0 | 0 to 2 |
| 882 | GLOBPG PANEL_THIN POT | 4 | 30 | OFF | 2 | 0 to 5 |
| 883 | (not used) | | | | | |
| 884 | GLOBPG PANEL_NNRPRX POT | 4 | 32 | OFF | 0 | 0 to 1 |
| 885 | GLOBPG PANEL_MODE POT | 4 | 33 | OFF | 0 | 0 to 2 |
| 886 | GLOBPG SYSTEM_TAB SWITCH | 4 | 34 | OFF | 0 | 0 to 1 |
| 887 | GLOBPG VOXMON_TAB SWITCH | 4 | 35 | OFF | 0 | 0 to 1 |
| 888 | (not used) | | | | | |
| 889 | (not used) | | | | | |
| 890 | (not used) | | | | | |
| 891 | GLOBAL PITCHWHEEL_POT POT | 4 | 39 | OFF | 0 | any |
| 892 | GLOBAL MODWHEEL_POT POT | 4 | 40 | OFF | 0 | any |
| 893 | GLOBAL RIBBON_RIGHT_POT POT | 4 | 41 | OFF | 0 | any |
| 894 | GLOBAL RIBBON_LEFT_POT POT | 4 | 42 | OFF | 0 | any |
| 895 | (not used) | | | | | |
| 896 | (not used) | | | | | |
| 897 | (not used) | | | | | |
| 898 | GLOBAL MIX_BUTTON SWITCH | 4 | 46 | OFF | 0 | any |
| 899 | GLOBAL MANUAL_BUTTON SWITCH | 4 | 47 | OFF | 0 | any |
| 900 | GLOBAL COMPARE_BUTTON SWITCH | 4 | 48 | OFF | 0 | any |
| 901 | GLOBAL HOLDLEFT_BUTTON SWITCH | 4 | 49 | OFF | 0 | any |
| 902 | GLOBAL HOLDRIGHT_BUTTON SWITCH | 4 | 50 | OFF | 0 | any |
| 903 | GLOBAL RIBBON_BUTTON SWITCH | 4 | 51 | OFF | 0 | any |
| 904 | GLOBAL AFTERTOUCH POT | 4 | 255 | OFF | 0 | any |
| 905 | GLOBAL CONTROLPEDAL POT | 4 | 255 | OFF | 0 | any |
| 906 | BANK_SEL DECREMENT SWITCH | 40 | 0 | OFF | 0 | any |
| 907 | BANK_SEL INCREMENT SWITCH | 40 | 1 | OFF | 0 | any |
| 908 | PROG_SEL SW00 SWITCH | 40 | 2 | OFF | 0 | any |
| 909 | PROG_SEL SW10 SWITCH | 40 | 3 | OFF | 0 | any |

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|-----|----------------------------|----|----|-----|---|-----------------|
| 910 | PROG_SEL SW20 SWITCH | 40 | 4 | OFF | 0 | any |
| 911 | PROG_SEL SW30 SWITCH | 40 | 5 | OFF | 0 | any |
| 912 | PROG_SEL SW40 SWITCH | 40 | 6 | OFF | 0 | any |
| 913 | PROG_SEL SW50 SWITCH | 40 | 7 | OFF | 0 | any |
| 914 | PROG_SEL SW60 SWITCH | 40 | 8 | OFF | 0 | any |
| 915 | PROG_SEL SW70 SWITCH | 40 | 9 | OFF | 0 | any |
| 916 | PROG_SEL SW80 SWITCH | 40 | 10 | OFF | 0 | any |
| 917 | PROG_SEL SW90 SWITCH | 40 | 11 | OFF | 0 | any |
| 918 | PROG_SEL SW100 SWITCH | 40 | 12 | OFF | 0 | any |
| 919 | PROG_SEL SW110 SWITCH | 40 | 13 | OFF | 0 | any |
| 920 | PROG_SEL SW120 SWITCH | 40 | 14 | OFF | 0 | any |
| 921 | PROG_SEL SW0 SWITCH | 40 | 15 | OFF | 0 | any |
| 922 | PROG_SEL SW1 SWITCH | 40 | 16 | OFF | 0 | any |
| 923 | PROG_SEL SW2 SWITCH | 40 | 17 | OFF | 0 | any |
| 924 | PROG_SEL SW3 SWITCH | 40 | 18 | OFF | 0 | any |
| 925 | PROG_SEL SW4 SWITCH | 40 | 19 | OFF | 0 | any |
| 926 | PROG_SEL SW5 SWITCH | 40 | 20 | OFF | 0 | any |
| 927 | PROG_SEL SW6 SWITCH | 40 | 21 | OFF | 0 | any |
| 928 | PROG_SEL SW7 SWITCH | 40 | 22 | OFF | 0 | any |
| 929 | PROG_SEL SW8 SWITCH | 40 | 23 | OFF | 0 | any |
| 930 | PROG_SEL SW9 SWITCH | 40 | 24 | OFF | 0 | any |
| 931 | MIX_SEL MULTISEL SWITCH | 40 | 25 | OFF | 0 | any |
| 932 | MIX_SEL SW109 SWITCH | 40 | 26 | OFF | 0 | any |
| 933 | MIX_SEL SW210 SWITCH | 40 | 27 | OFF | 0 | any |
| 934 | MIX_SEL SW311 SWITCH | 40 | 28 | OFF | 0 | any |
| 935 | MIX_SEL SW412 SWITCH | 40 | 29 | OFF | 0 | any |
| 936 | MIX_SEL SW513 SWITCH | 40 | 30 | OFF | 0 | any |
| 937 | MIX_SEL SW614 SWITCH | 40 | 31 | OFF | 0 | any |
| 938 | MIX_SEL SW715 SWITCH | 40 | 32 | OFF | 0 | any |
| 939 | MIX_SEL SW816 SWITCH | 40 | 33 | OFF | 0 | any |
| 940 | EFFECTS ONOFFBUTTON SWITCH | 26 | 0 | ON | 0 | any |
| 941 | ANAFX CONFIG_BTN SWITCH | 26 | 1 | OFF | 0 | any |
| 942 | ANAFX MOD_BTN SWITCH | 26 | 2 | ON | 0 | any |
| 943 | ANAFX SEND_LVL POT | 26 | 3 | ON | 0 | 0 to 65535 |
| 944 | ANAFX DIST_LVL POT | 26 | 4 | ON | 0 | 0 to 65535 |
| 945 | ANAFX DIST_TYPE POT | 26 | 5 | ON | 0 | 0 to 3 |
| 946 | ANAFX TODFX1BUS POT | 26 | 6 | ON | 0 | 0 to 1 |
| 947 | ANAFX TODFX2BUS POT | 26 | 7 | ON | 0 | 0 to 1 |
| 948 | ANAFX TOMAINBUS POT | 26 | 8 | ON | 0 | 0 to 1 |
| 949 | ANAFX MODEENABLE POT | 26 | 9 | ON | 0 | 0 to 1 |
| 950 | ANAFX MODSOURCE POT | 26 | 10 | ON | 1 | 1 to 79 |
| 951 | ANAFX MODOFFSET POT | 26 | 11 | ON | 0 | -65534 to 65534 |
| 952 | ANAFX MODSCALE POT | 26 | 12 | ON | 0 | -32767 to 32767 |
| 953 | DIGFX CONFIG_TAB SWITCH | 28 | 0 | OFF | 0 | any |
| 954 | DIGFX MOD_BTN SWITCH | 28 | 1 | ON | 0 | any |
| 955 | DIGFX PARM1_TAB SWITCH | 28 | 2 | OFF | 0 | any |
| 956 | DIGFX PARM2_TAB SWITCH | 28 | 3 | OFF | 0 | any |
| 957 | DIGFX PARM3_TAB SWITCH | 28 | 4 | OFF | 0 | any |
| 958 | DIGFX PARM4_TAB SWITCH | 28 | 5 | OFF | 0 | any |
| 959 | DIGFX PARM5_TAB SWITCH | 28 | 6 | OFF | 0 | any |
| 960 | DIGFX MOD1_TAB SWITCH | 28 | 7 | ON | 0 | any |

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|------|---------------------------|----|----|----|-------|--------------------------|
| 961 | DIGFX MOD2_TAB SWITCH | 28 | 8 | ON | 0 | any |
| 962 | DIGFX MOD1SOURCE POT | 28 | 9 | ON | 1 | 1 to 79 |
| 963 | DIGFX MOD2SOURCE POT | 28 | 10 | ON | 1 | 1 to 79 |
| 964 | DIGFX MOD1DEST POT | 28 | 11 | ON | 0 | 0 to 3 |
| 965 | DIGFX MOD2DEST POT | 28 | 12 | ON | 0 | 0 to 3 |
| 966 | DIGFX MOD1OFFSET POT | 28 | 13 | ON | 0 | -65534 to 65534 |
| 967 | DIGFX MOD2OFFSET POT | 28 | 14 | ON | 0 | -65534 to 65534 |
| 968 | DIGFX MOD1SCALE POT | 28 | 15 | ON | 0 | -32767 to 32767 |
| 969 | DIGFX MOD2SCALE POT | 28 | 16 | ON | 0 | -32767 to 32767 |
| 970 | DIGFX MOD1ENABLE POT | 28 | 17 | ON | 0 | 0 to 1 |
| 971 | DIGFX MOD2ENABLE POT | 28 | 18 | ON | 0 | 0 to 1 |
| 972 | DIGFX CONFIGSELECT POT | 28 | 19 | ON | 0 | 0 to 28 |
| 973 | DIGFX INPUT_LVL POT | 28 | 20 | ON | 0 | 0 to 65535 |
| 974 | DIGFX INPUT_PAN POT | 28 | 21 | ON | 32768 | 0 to 65535 |
| 975 | DIGFX OUTPUT_ONE POT | 28 | 22 | ON | 0 | Depends on effect config |
| 976 | DIGFX OUTPUT_TWO POT | 28 | 23 | ON | 0 | Depends on effect config |
| 977 | DIGFX OUTPUT_THREE POT | 28 | 24 | ON | 0 | Depends on effect config |
| 978 | DIGFX PARAM_0 POT | 28 | 25 | ON | 0 | Depends on effect config |
| 979 | DIGFX PARAM_1 POT | 28 | 26 | ON | 0 | Depends on effect config |
| 980 | DIGFX PARAM_2 POT | 28 | 27 | ON | 0 | Depends on effect config |
| 981 | DIGFX PARAM_3 POT | 28 | 28 | ON | 0 | Depends on effect config |
| 982 | DIGFX PARAM_4 POT | 28 | 29 | ON | 0 | Depends on effect config |
| 983 | DIGFX PARAM_5 POT | 28 | 30 | ON | 0 | Depends on effect config |
| 984 | DIGFX PARAM_6 POT | 28 | 31 | ON | 0 | Depends on effect config |
| 985 | DIGFX PARAM_7 POT | 28 | 32 | ON | 0 | Depends on effect config |
| 986 | DIGFX PARAM_8 POT | 28 | 33 | ON | 0 | Depends on effect config |
| 987 | DIGFX PARAM_9 POT | 28 | 34 | ON | 0 | Depends on effect config |
| 988 | DIGFX PARAM_10 POT | 28 | 35 | ON | 0 | Depends on effect config |
| 989 | DIGFX PARAM_11 POT | 28 | 36 | ON | 0 | Depends on effect config |
| 990 | DIGFX PARAM_12 POT | 28 | 37 | ON | 0 | Depends on effect config |
| 991 | DIGFX PARAM_13 POT | 28 | 38 | ON | 0 | Depends on effect config |
| 992 | DIGFX PARAM_14 POT | 28 | 39 | ON | 0 | Depends on effect config |
| 993 | DIGFX PARAM_15 POT | 28 | 40 | ON | 0 | Depends on effect config |
| 994 | DIGFX PARAM_16 POT | 28 | 41 | ON | 0 | Depends on effect config |
| 995 | DIGFX PARAM_17 POT | 28 | 42 | ON | 0 | Depends on effect config |
| 996 | DIGFX PARAM_18 POT | 28 | 43 | ON | 0 | Depends on effect config |
| 997 | DIGFX PARAM_19 POT | 28 | 44 | ON | 0 | Depends on effect config |
| 998 | DIGFX PARAM_20 POT | 28 | 45 | ON | 0 | Depends on effect config |
| 999 | DIGFX PARAM_21 POT | 28 | 46 | ON | 0 | Depends on effect config |
| 1000 | DIGFX PARAM_22 POT | 28 | 47 | ON | 0 | Depends on effect config |
| 1001 | DIGFX PARAM_23 POT | 28 | 48 | ON | 0 | Depends on effect config |
| 1002 | DIGFX PARAM_24 POT | 28 | 49 | ON | 0 | Depends on effect config |
| 1003 | DIGFX PARAM_25 POT | 28 | 50 | ON | 0 | Depends on effect config |
| 1004 | DIGFX PARAM_26 POT | 28 | 51 | ON | 0 | Depends on effect config |
| 1005 | DIGFX PARAM_27 POT | 28 | 52 | ON | 0 | Depends on effect config |
| 1006 | DIGFX PARAM_28 POT | 28 | 53 | ON | 0 | Depends on effect config |
| 1007 | DIGFX PARAM_29 POT | 28 | 54 | ON | 0 | Depends on effect config |
| 1008 | EXT_FLT_IN INPUT15 SWITCH | 27 | 0 | ON | 0 | any |
| 1009 | EXT_FLT_IN INPUT16 SWITCH | 27 | 1 | ON | 0 | any |
| 1010 | EXT_FLT_IN PREMIX SWITCH | 27 | 2 | ON | 0 | any |
| 1011 | CV_INPUTS OSCIN SWITCH | 38 | 0 | ON | 0 | any |

| | | | | | | |
|------|----------------------------------|----|----|-----|---|---------------|
| 1012 | CV_INPUTS FILTERIN SWITCH | 38 | 1 | ON | 0 | any |
| 1013 | (not used) | | | | | |
| 1014 | (not used) | | | | | |
| 1015 | (not used) | | | | | |
| 1016 | (not used) | | | | | |
| 1017 | (not used) | | | | | |
| 1018 | (not used) | | | | | |
| 1019 | (not used) | | | | | |
| 1020 | (not used) | | | | | |
| 1021 | (not used) | | | | | |
| 1022 | (not used) | | | | | |
| 1023 | (not used) | | | | | |
| 1024 | (not used) | | | | | |
| 1025 | (not used) | | | | | |
| 1026 | (not used) | | | | | |
| 1027 | (not used) | | | | | |
| 1028 | (not used) | | | | | |
| 1029 | (not used) | | | | | |
| 1030 | (not used) | | | | | |
| 1031 | TUNE PAGE AUTOTUNE_BUTTON SWITCH | 37 | 0 | OFF | 0 | any |
| 1032 | TUNE PAGE MASTERTUNE_POT POT | 37 | 1 | ON | 0 | -2048 to 2048 |
| 1033 | TUNE PAGE BKGTUNE POT | 37 | 2 | OFF | 0 | 0 to 1 |
| 1034 | TUNE PAGE TEMPTUNE POT | 37 | 3 | OFF | 0 | 0 to 1 |
| 1035 | TUNE PAGE TUNETAB SWITCH | 37 | 4 | OFF | 0 | any |
| 1036 | TUNE PAGE VCACAL SWITCH | 37 | 5 | OFF | 0 | any |
| 1037 | TUNE PAGE OSCFREQ SWITCH | 37 | 6 | OFF | 0 | any |
| 1038 | TUNE PAGE OSCPW SWITCH | 37 | 7 | OFF | 0 | any |
| 1039 | TUNE PAGE FILTFREQ SWITCH | 37 | 8 | OFF | 0 | any |
| 1040 | TUNE PAGE VOXNUM POT | 37 | 9 | OFF | 0 | 0 to 15 |
| 1041 | TUNE PAGE BAND POT | 37 | 10 | OFF | 0 | 0 to 15 |